

INTEGRATED SCHOOL HEALTH PROGRAMME

Electronic Record Mobile Application

User Guide & Technical Specification



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Version: 1.1

Date: 23 October 2016

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Introduction

This document provides a summary of the operation of the Integrated School Health Programme Electronic Record Mobile application, Web Application and Technical specification for setup and configuration of the database server.

The mobile application core features are the addition of new students into the database which is stored on the mobile device, as well as completing the desired questionnaire per student.

The web application core features which are provided for system administration are to allow the system administrator the ability to maintain user access and roles on the application, maintain locations, clinics and schools within the integrated school health programme. System administrators also have the ability to add and modify questionnaires for counselling sessions and evaluations. Users in the field are also able to download the offline android application directly from the web application to their android device.

This document also has a brief description of how to setup the application on Microsoft Internet Information Server (IIS) and how to set up the Structured Query Language (SQL) database for the electronic mobile application.

Electronic Record Mobile Application

Download Offline Android Application

Users in the field are able to download the offline version of the electronic mobile record application as shown in figure 1 below, from the web application to their mobile device. Users are required to login to the web application, click on "Offline App Download" and then click on "Download" next to the ARM Build text. Users are required to accept all prompts including security on their mobile device until the application is installed. Once the application is installed users will be able to synchronise data for their session with the database server and then proceed with the questionnaire.

Figure 1



Application Landing Page

Figure 2

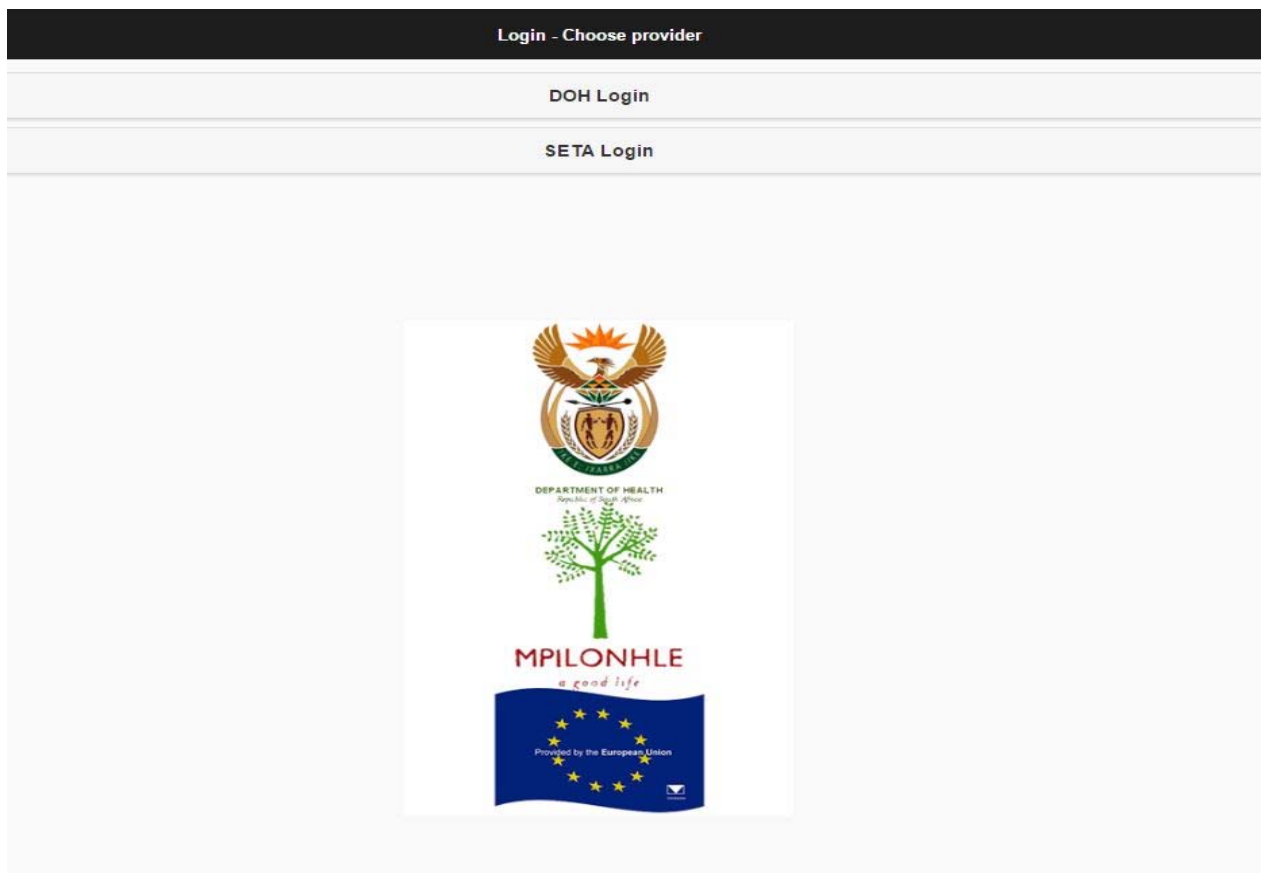


Figure 2 above is the application landing page which is the initial screen that loads when the mobile application is executed. At this screen the user has the option of logging into the SITA or DOH database.

Application Login Screen

Figure 3

Login Seta

sapientsoft

Login

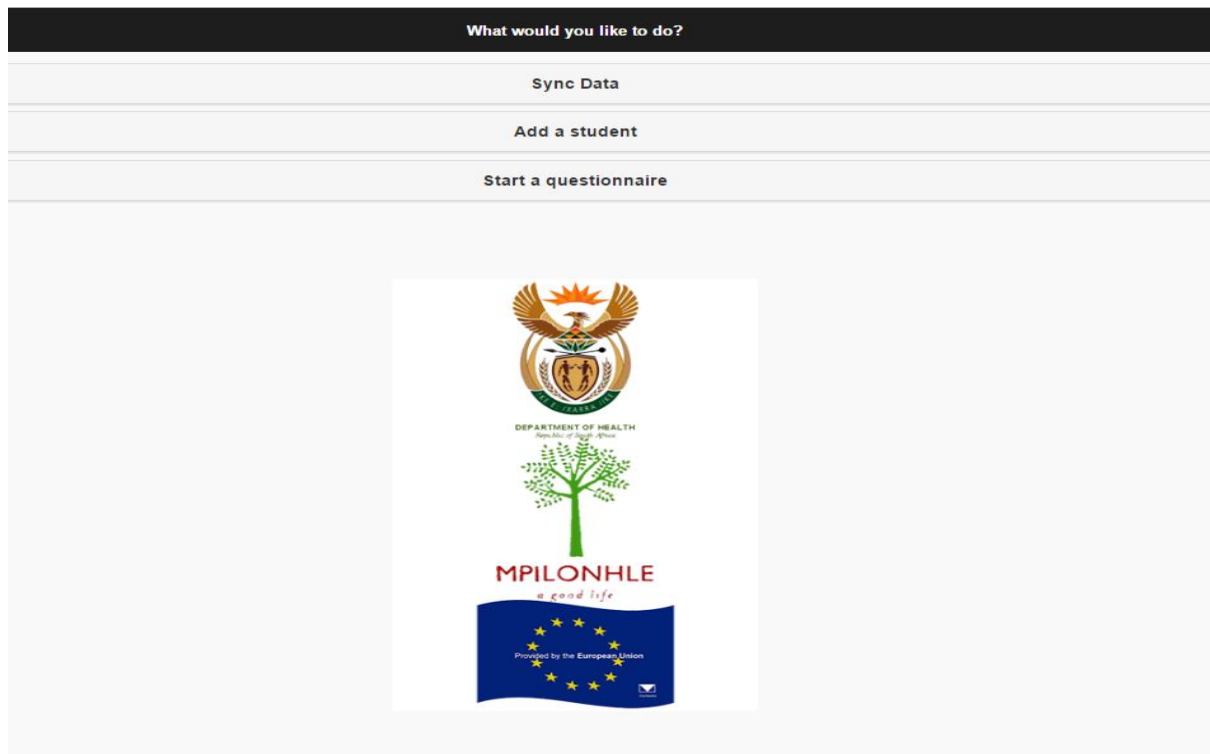
Change Provider

DEPARTMENT OF HEALTH
Mpilonhle
a good life
Provided by the European Union

Figure 3 above is the application login screen where users are required to enter their logon credentials before accessing the application. The user can also click on "Change Provider" which will then allow them to select a different provider.

Once the credentials are authenticated and the user has logged into the application they are directed to the screen in figure 4 below. The user has the option of either synchronising data on the mobile device with the live database server, add a new student or proceed to the questionnaires screen.

Figure 4



Synchronising Data

When the mobile recording application is executed for the first time on the mobile device, the user will be redirected to the data synchronisation screen in figure 5 below, where they are prompted to synchronise with the database server and import required information for their session, and begin with the questionnaire.

Figure 5



Adding a New Student

Users can add a new student by clicking on the “Add a Student” button.

Figure 6

The screenshot shows a web application interface for adding a new student. At the top, a green header bar contains the text "ADD NEW STUDENT ON: 21 August 2018". Below this, the form is titled "Add Student". It features two input fields: "Filter School:" and "Filter Residence:". Below these fields are two buttons: "Filter" and "Clear". The form is divided into two steps: "Step 1: Please enter student information" and "Step 2: Please confirm student information". The "Step 1" section includes several input fields: "First Name", "Surname", "SA ID Number", "Gender" (with a dropdown menu showing "Male"), "DOB Date (yyyy-mm-dd)" (with a date picker), "or Age" (with a dropdown menu), "Province" (with a dropdown menu showing "Please select..."), "District", "Sub-District", "City", "School", "School Class", and "Residence (upv)" (with a dropdown menu). At the bottom of the form, there are two buttons: "Clear" and "Next".

Users can perform a filter search of the school being visited by typing the school name in the “Filter” textbox field. Once the school is selected users can continue with capturing the student information. After capturing the student’s ID number, the application will autofill the Date of Birth field and calculate the age of the student.

The process of adding a student involves a two-step validation process where when the user presses the “Next” button they will be prompted to re-enter the same information for validation, and will be prompted should the information recaptured not match. Once the student information is matched, the user can proceed to the questionnaire or simply just save the students information.

Starting a Questionnaire

When starting a new questionnaire for a student the user will first be prompted to select a questionnaire on the screen in figure 7 below.

Figure 7

Questionnaire

[← BACK](#)

Stage: **Completed**

[Return](#)

[Return](#)

[Return](#)

ADD NEW STUDENT ON: 18 October 2018

Search

Clear

Combined Health and Nurse Questionnaire

Social Work - Process Follow up form

Social work contact form - school

Once the relevant questionnaire is selected, the user will proceed to the next screen in figure 8 below where they must select the school the student attends.

Figure 8

COMBINED HEALTH AND NURSE QUESTIONNAIRE		FORM A-2	
Name:	Age:		
School:			
Student DOB:			
SCHOOL VISITED ON: 21 August 2018			
<input type="button" value="Search"/> <input type="button" value="Clear"/>			
<p>Amanendwe High School</p> <p>Asaphikwile Senior Secondary School</p> <p>Babazoni Primary School</p> <p>Bengwen Primary School</p> <p>Bethatha Primary School</p> <p>Bosament Primary School</p> <p>Ben Jaka P School</p> <p>Bethangwe Primary School</p> <p>Bhangwa P School</p> <p>Bhekampanga P. School</p> <p>Bhekingshi Primary School</p> <p>Bhekinkosi Primary School</p> <p>Bhekinkhulu P School</p> <p>Bhekuwana Primary School</p>			

The user will then proceed to the screen in figure 9 below and select the student to beginning with the questionnaire. The user will go through a series of questions relevant to the questionnaire selected. Once all questions are completed the user should choose to end the questionnaire.

Figure 9

COMBINED HEALTH AND NURSE QUESTIONNAIRE

← BACK

FORWARD →

User: **superdick**

Notes: **Amundsonville High school**

Notes: **McLean**

Notes: **Student ID#**

IDENTIFY STUDENT

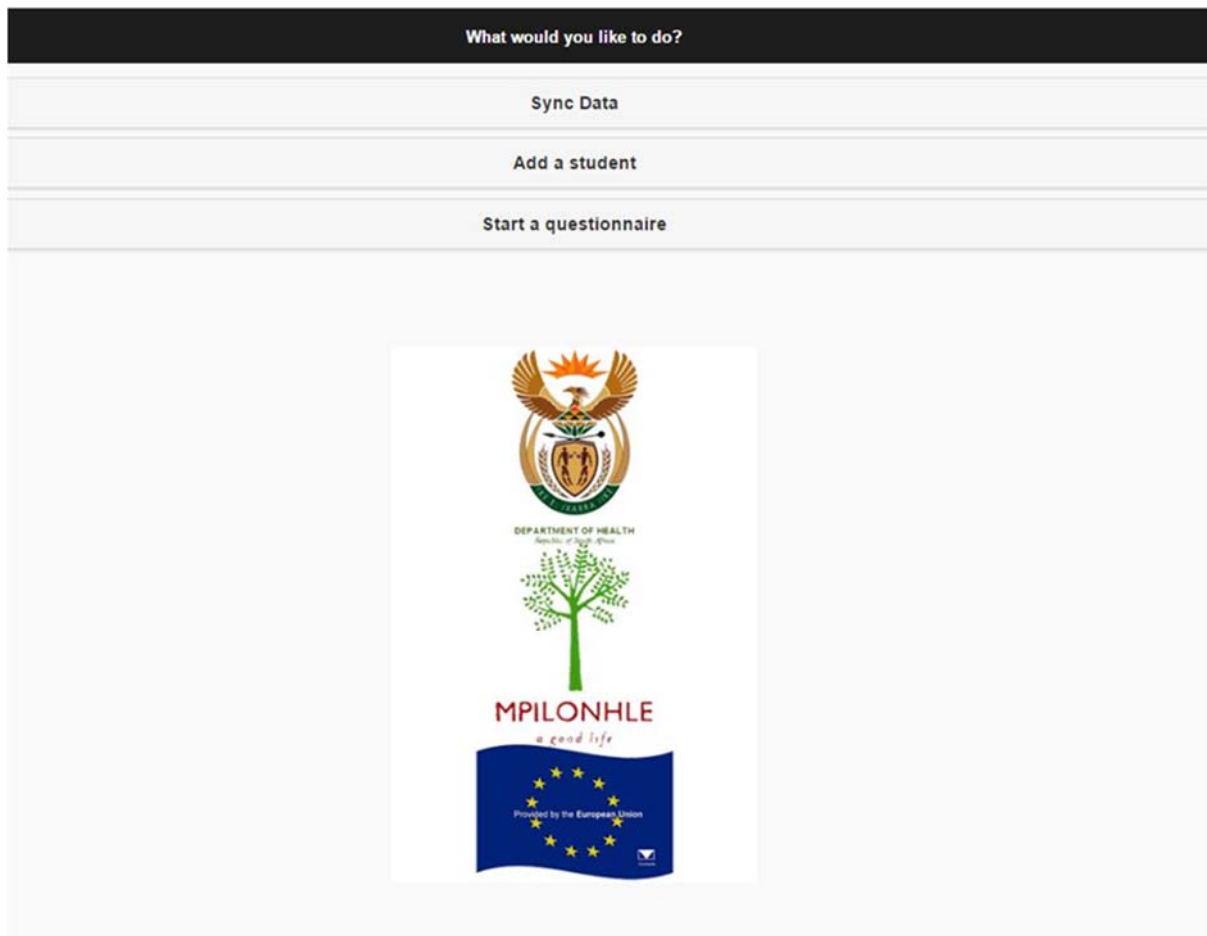
Search

Clear

Exporting data from Mobile device to Database

Once all questionnaire sessions have been completed and the user wishes to export information stored on the mobile device to the database server, the user should return to the home screen in figure 10 below and click on "Sync Data"

Figure 10



Electronic Record Web Application

Accessing the Web Application

Access to the electronic record web application is achieved by connecting via an internet browser to the database server located at the Department of Health and arrive at the landing page in figure 11 below.

Figure 11



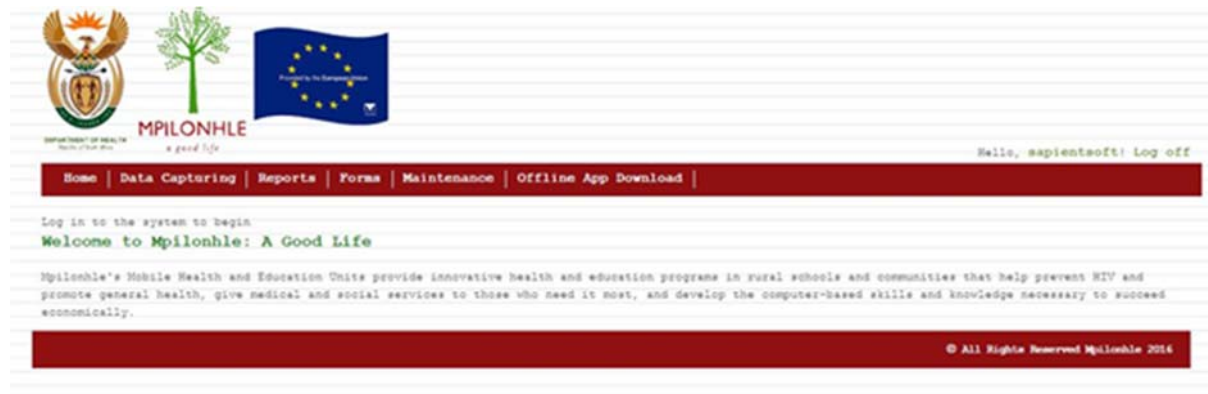
The screenshot shows the landing page of the Mpilohle Electronic Record Web Application. At the top, there are three logos: the South African Department of Health logo, the Mpilohle logo with the tagline 'a good life', and the European Union flag. Below these logos is a red navigation bar with links: Home, Data Capturing, Reports, Forms, Maintenance, and Offline App Download. To the right of the navigation bar is a 'Log in' link. Below the navigation bar, the text 'Log in.' is displayed in a large, green, monospace font. Underneath, it says 'Use a local account to log in.' followed by 'Log in Form'. The form contains two input fields: 'User name:' and 'Password:'. Both fields have a red border and a red error message: 'The user name field is required.' and 'The password field is required.' respectively. Below the password field is a green 'LOGIN' button and a checkbox labeled 'Remember me?'. At the bottom of the page, there is a red footer bar with the text '© All Rights Reserved Mpilohle 2014'.

The web application is reserved for system administrators and offer the following functions.

- Admin users: is for system administrators to control how the system operates, who has access and roles within the application.
- Adding locations, clinics and schools where students reside
- Adding and editing questionnaires for counselling sessions and evaluations.
- Generating reports based on student's reports
- The ability to download the offline Android application onto an Android device

Once the system administrator's credentials are authenticated they are redirected to the web application is figure 12 below.

Figure 12



Web Application Menu Summary

Below is a listing of all the menu, sub-menu items and the functions that can be performed through the electronic web application.

Maintenance

User Management

The screen in figure 13 below allows system administrators to add, edit and delete users on the web application system. To edit user details, select the username from the list and edit their details.

Figure 13

Users:

Text:

User	Name	IdentityNo	Contact	Work Details	Gender	Appr.	Last	OK	LF
augoni	Bokothola Mogoni			Coach Skills	Female				
ptat	Phumela Mthethwa			Counsellor	Female				
espienteoft	espient Software		glenn@espienteoft.co.za	Admin					
khomalo	excellent khomalo			Coach	Female				
richardd	richard adams			OneSight	Female				
gb	Bellewe Gloria Dlamini			Other	Female				
lindar	Linda rodriguez			OneSight	Female				
	Alonsoar Phakamani Matabane			Coach Skills	Female				
derricka	Derrick Mitchell			OneSight	Female				

To add a new user, click on the "Add new user" button and enter user information, role and login credentials in figure 14 below and click "Add User" to save.

Figure 14

The 'Add User' form contains the following fields:

- First Name:
- Surname:
- ID Number:
- Date Of Birth:
- Gender: *
- Telephone:
- Email:
- Telephone (alt):
- Username:
- Password:
- Job Title: *
- Re-type Password:
- Reports To: *
- Is Approved: ☐
- Comments:

Buttons: CLEAR, ADD USER

Questionnaires

The questionnaires page in figure 15 below allows the system administrator to add, edit and delete questionnaires. System administrators also have the ability to modify questions and parameters of the questionnaires that are used for evaluation and counselling sessions in this screen.

Figure 15

Home Data Capturing Reports Forms Maintenance Offline App Download					
Questionnaires					
Search Questionnaires by Name Here		SEARCH	CLEAR SEARCH	ADD NEW	
		Questionnaire Name	Description	Type	
Edit Questionnaire	Edit Questions	Combined Health and Nurse Questionnaire	A Combination of the Health Screening and the Nurse - New Questionnaires.	L	(145)
Edit Questionnaire	Edit Questions	School Health Program -SHP 2 (B)	Learner Assessment Form Sector And PET Phases : Confidential	L	(8)
Edit Questionnaire	Edit Questions	Social Work - Process follow up form	Social Work - Process follow up form	L	(134)
Edit Questionnaire	Edit Questions	Social work contact form - school	Social work contact form - school	L	(122)
Edit Questionnaire	Edit Questions	test	Testing and training	L	(398)
Edit Questionnaire	Edit Questions	test1	Tests and training1	L	(81)
Edit Questionnaire	Edit Questions	Testing only for Combined Health and Nurse Questionnaire	A Combination of the Health Screening and the Nurse - New Questionnaires.	L	(120)

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To edit questions, click on the questionnaire name or the text that reads "Edit Questionnaire" in figure 15. You will proceed to the next screen in figure 16 below where you have the ability to edit details relating to the selected questionnaire.

Figure 16

Edit Questionnaire Details

Questionnaire Name:	Combined Health and Nurse Questionnaire	Roles <input checked="" type="checkbox"/> Administrator <input checked="" type="checkbox"/> Counsellor <input checked="" type="checkbox"/> Data Capturer <input checked="" type="checkbox"/> Home Based Carer <input checked="" type="checkbox"/> Nurse <input type="checkbox"/> Other <input type="checkbox"/> Social Worker SAVE CANCEL
Questionnaire Description:	A Combination of the Health Screening and the Nurse - New Questionnaires.	
Version:	1	
Start Date:	23 Aug 2013	
End Date:	01 Jan 9999	
Display Color:	#CCCCCC	
Display Order:	1	
Type:	<input type="radio"/> Community Member <input checked="" type="radio"/> Learner	
Request Consent:	<input type="checkbox"/>	
Request Referral Type:	<input type="checkbox"/>	
Display Questionnaire	<input checked="" type="checkbox"/>	
Follow-up Questionnaire:		

Editing Questions

Questions of a specific questionnaire can be edited by clicking on the text that reads "Edit Questions", see figure 15. You will then proceed to the next screen in figure 17 below.

Figure 17

Edit Questions

Questionnaire: Combined Health and Nurse Questionnaire (Ver 1)

MANAGE SECTIONS ADD QUESTIONS ADD SECTION CLEAN QUESTIONNAIRE

Question Number: 1 GO SEARCH DELETE

< PREVIOUS QUESTION NEXT QUESTION >

Section: Personal Health History Last Question of Questionnaire

Prompt: Referral First Question of End Sequence

Question: How was the client referred?

Low Limit Warning: 0 Low Limit: 0

High Limit Warning: 0 High Limit: 0

Question Type: SELECT Function Assign: *

SAVE QUESTION ADD QUESTION BEFORE ADD QUESTION AFTER

	Answer	Order	Male Next	Male Next Text	Female Next	Female Next Text	Flag 1	Flag 2	
EDIT	Integrated School Health Program Gr 1, 4, 8, 10	1	14	Did the student give you consent for the screening.	14	Did the student give you consent for the screening.	0	0	DELETE
EDIT	Self-referred (any other grade)	2	14	Did the student give you consent for the screening.	14	Did the student give you consent for the screening.	0	0	DELETE
EDIT	Teacher	3	14	Did the student give you consent for the screening.	14	Did the student give you consent for the screening.	0	0	DELETE
EDIT	Social worker	4	14	Did the student give you consent for the screening.	14	Did the student give you consent for the screening.	0	0	DELETE
EDIT	Peer Education	5	14	Did the student give you consent for the screening.	14	Did the student give you consent for the screening.	0	0	DELETE
EDIT	NBC	6	14	Did the student give you consent for the screening.	14	Did the student give you consent for the screening.	0	0	DELETE
EDIT	Follow-up visit	7	14	Did the student give you consent for the screening.	14	Did the student give you consent for the screening.	0	0	DELETE
EDIT	Other	8	14	Did the student give you consent for the screening.	14	Did the student give you consent for the screening.	0	0	DELETE

ADD ANSWER

The Edit Questions screen allows the system administrator to do the following:

- Add questions
- Edit questions
- Add functions to questions
- Provide a selection of answers to questions
- Specify which question follows another

BMI Ranges

The BMI Ranges page in figure 18 below is used to maintain the BMI ranges that are used to determine BMI classification of a student. You can add, edit and delete BMI ranges.

Figure 18

BMI Ranges					
ADD NEW					
	Sex	Age	Upper Limit	Lower Limit	
Edit	f	19	26	18	Delete
Edit	f	18	25.75	17.75	Delete
Edit	F	16	24.75	17	Delete
Edit	m	14	22.75	16	Delete
Edit	M	19	26.25	18.75	Delete
Edit	M	17	25	17.75	Delete
Edit	F	20	26.5	18	Delete
Edit	M	16	24	17	Delete
Edit	M	15	23.5	16.75	Delete
Edit	F	13	22.75	15.5	Delete
Edit	F	14	23.25	16	Delete
Edit	F	17	25.25	17.5	Delete
Edit	M	18	25.75	18	Delete
Edit	M	13	22	15.5	Delete
Edit	M	20	27	19	Delete
Edit	M	12	21	15	Delete
Edit	F	12	22	15	Delete
Edit	F	15	24	16.25	Delete

Lookups

The lookups page in figure 19 below is used to maintain the lookups of the system, system administrators has the ability to add, edit and delete lookups here.

Figure 19

Lookups					
<div>SEARCH</div> <div>ADD NEW</div>					
	Look Ups	Look-Up Types	Look-Up Grouping	Description	
Edit	ABDOMINAL CRAMPS/PAIN			Abdominal cramps/pain	Delete
Edit	ARTHRITIS			Arthritis	Delete
Edit	ASTHMA			Asthma	Delete
Edit	BILHARZIA			Bilharzia	Delete
Edit	BODY ITCHINESS			Body itchiness	Delete
Edit	BODY PYREXIA			Body Pyrexia	Delete
Edit	BOM			BOM	Delete
Edit	BREAST LUMP			Breast lump	Delete
Edit	CHEST PAIN			Chest Pain	Delete
Edit	COLD / FLU			Cold / flu	Delete
Edit	COUGH			Cough	Delete
Edit	DENTAL PROBLEM (TOOTHACHE, GUMS)			Dental problem (toothache, gums)	Delete
Edit	DIABETES			Diabetes	Delete
Edit	DIARRHOEA			Diarrhoea	Delete
Edit	DYSMENORRHOEA / MENSTRUAL PROBLEMS			Dysmenorrhoea / menstrual problems	Delete
Edit	EARACHE			Earache	Delete
Edit	ELEVATED BP			Elevated BP	Delete
Edit	EPILEPSY / SEIZURES			Epilepsy / seizures	Delete
Edit	EPISTAXIS			Epistaxis	Delete
Edit	EYE PROBLEM			Eye problem	Delete
1 2 3					

Medical Diagnosis

The Medical Diagnosis page in figure 20 below is used to manage the medical diagnosis. The system administrator has the ability to add, edit and delete records here.

Figure 20

Medical Diagnosis				
<div>SEARCH</div> <div>ADD NEW</div>				
	ICD10 Code	Symptom	Diagnosis	
Edit	L20	Skin	Atopic/seborrheic dermatitis / Eczema (L20 + L21)	Delete
Edit	11	Diarrhoea	Nausea and Vomiting alone	Delete
Edit	J45	Chronic conditions	Asthma (known/new)	Delete
Edit	D50.9	Chronic conditions	Iron Deficiency anaemia	Delete
Edit	F41.9	Psychiatric	Anxiety	Delete
Edit	J01.9	Nose	Sinusitis	Delete
Edit	T30.0	Injuries	Burns	Delete
Edit	B06	Skin	Scabies	Delete
Edit	X06.9	Psychiatric	Neglect	Delete
Edit	L01.0	Skin	Impetigo	Delete
Edit	J03	URI/LRI	Viral tonsillitis	Delete
Edit	G03.9	Headache	Severe headache, neck stiffness, vomiting, confused,needing referral - ?Meningitis	Delete
Edit	T26	Eyes	Chemical eye injury	Delete
Edit	H61.2	Ears	Wax in ear	Delete
Edit	A59	STI/Genitals	Vaginal Discharge (A59.9 TV, B37.3 Candida)	Delete
Edit	R05	Abdominal Pain	Appendicitis	Delete
Edit	10.4	Abdominal Pain	Colicky abdominal pains	Delete
Edit	H60.9	Ears	Otitis Externa	Delete
Edit	B37.0	Mouth/Teeth	Oral candida	Delete
Edit	I10	Chronic conditions	Hypertension	Delete
1 2 3 4 5 6				

Medical Complaints

The Medical Complaints page in figure 21 below is used to manage medical complaints that are used in questionnaires. System administrators have the ability to add, edit and delete records here.

Figure 21

Medical Complaints		
SEARCH	ADD NEW	
Edit	Delete	Complaint
Edit	Delete	Abdominal cramps/pain
Edit	Delete	Arthritis
Edit	Delete	Asthma
Edit	Delete	Bilharzia
Edit	Delete	Body itchiness
Edit	Delete	Body Pyrexia
Edit	Delete	ECM
Edit	Delete	Breast Lump
Edit	Delete	Chest Pain
Edit	Delete	Chest pain
1 2 3 4 5 6		

Manage Schools

The Schools page in figure 22 below allows the system administrator to manage school information in the system. They have the ability to add, edit and delete schools and their information.

Figure 22

Schools								
SEARCH	ADD NEW							
Schools	School Code	Province	District	Sub-District	Circuit	Contact Person 1	Contact Person 2	
		KwaZulu Natal	Ilembe	Hlabisa Hospital	Hlabisa			Delete
Amandlesizwe High school	AMD	KwaZulu Natal	Ilembe	Mtubatuba	Umkhanyakude			Delete
Asiphikelele Senior Secondary School	ASP	KwaZulu Natal	Ilembe	Mtubatuba	Umkhanyakude			Delete
Babazani Primary School	BBZ	KwaZulu Natal	Umkhanyakude	uMhlabuyalingana	Hluhluwe			Delete

Adding and updating school information

Once the system administrator selects a school they will proceed to the next screen in figure 23 below. This page allows the system administrator to add and update school information. They can save information by clicking on the "Add School" button or "Update school" if you are editing a school that already exists.

Figure 23

Add New School

School Name:	Postal Code:
Head Master:	TelNo:
School Code:	Record Type:
latitude:	Select Record-Type ▼
Province:	longitude:
Sub-District:	District:
Contact Person1:	Select Isigodi ▼
Tel Contact Person1:	Contact Person2:
LinkedSchoolID:	Tel Contact Person2:
Address:	Circuit:
	Select Circuit ▼
	Postal Address1: View Map
Postal Address2:	Postal Address3:
ADD SCHOOL	CANCEL

Manage Schools -> School Class

This School Class page in figure 24 below allows the system administrator to update school classes for all schools including their relevant grades.

Figure 24

Home | Data Capturing | Reports | Forms | Maintenance | Offline App Download |

School Class

Select School

Amandlesizwe High school

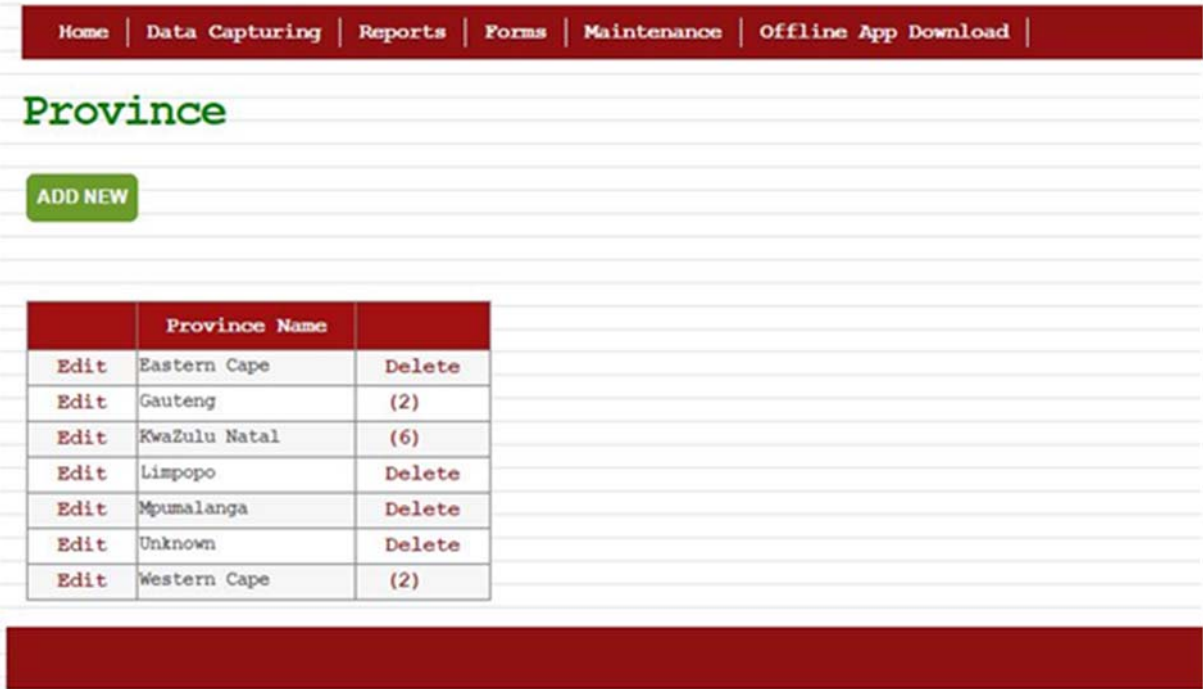
ADD NEW

	Class	
Edit	Grade 8	Delete
Edit	Grade 9	(2)
Edit	grade 10	(2)
Edit	Grade 11	(43)
Edit	Grade 12	(9)

Manage Locations

The Province page in figure 25 below allows the system administrator to manage locations for data capturing and report generation. There are three locations that the system saves: Provinces, Districts and Sub-districts. All three screens have the same functionality.

Figure 25



Data Extraction

The Data Extract page in figure 26 below allows the system administrator to extract data for a certain period of time, for questionnaires and for a number of schools, and automatically generates an excel spreadsheet of the requested information.

To perform a data extraction, the system administrator must select a questionnaire, select the date range and the schools and press the "Download Extract" button. ***NB: Make sure pop ups are enabled on your browser to download the extract.***

Figure 26

Data Extract

Please ensure that you have popups enabled to allow the extract download

Questionnaire: Combined Health and Nurse Questionn... Schools: Amandiesirwe High school, Asiphitelele Senior Secondary School, Babazani Primary School

Start Date: End Date: DOWNLOAD EXTRACT

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Report Generation

The system has a number of reports and forms that can be run based on parameters. These reports and forms replace all the manual forms utilised by the Department of Health for the Integrated Schools Health Programme.

Figure 27 Below is an example of report selection criteria.

Figure 27

SHS 2A LEARNER ASSESSMENT FORM FOUNDATION AND INTERMEDIATE PHASES-CONFIDENTIAL

Start Date: 8/1/2016 End Date: 8/30/2016 View Report

Sub District: Hlabisa Nurse: Nompumelelo Mthembu, Bonisiwe Themba

School: Biva Combined School, Chwebeni Primary School Individuals: JABUYAKHULU SPHINDOLE, JYENI LUYANG

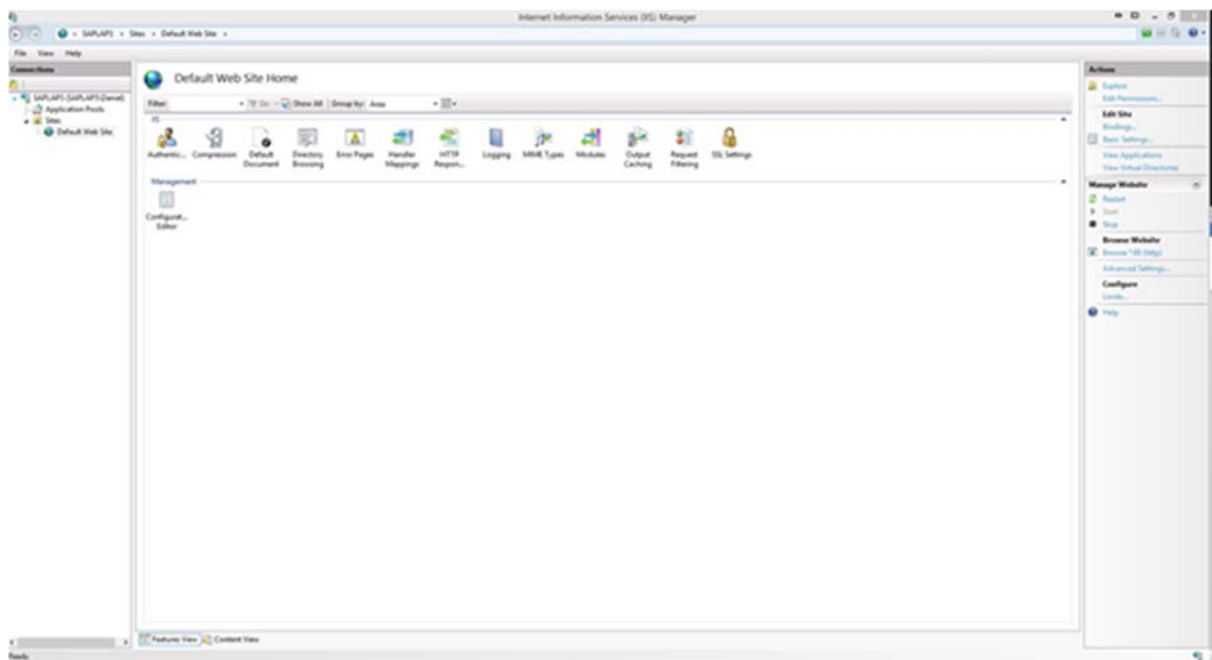
For this particular report (SHS 2A), you select the date range for the report, location, nurse and school. This is basically to narrow down the information that you need to run the report.

Technical specifications for Web application

Setting up the Web Application

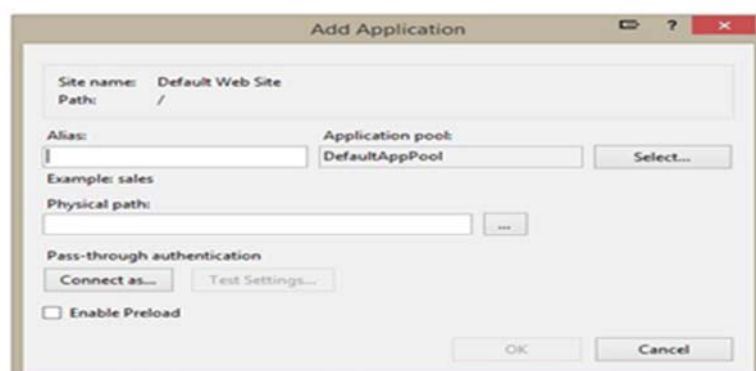
To set up the application in Microsoft Internet Information Services (IIS), you have to copy the application folder onto the wwwroot folder for (IIS), normally found under (C:\inetpub\wwwroot). After copying the file, go to IIS to set up the website.

Once IIS is open figure 28 below, right click on default web site and select add application, Figure 28



You will proceed to the next screen in figure 29 below. Add an Alias for the application and select the application path, navigate to the application folder in the wwwroot folder and click ok.

Figure 29



Setting up the Database

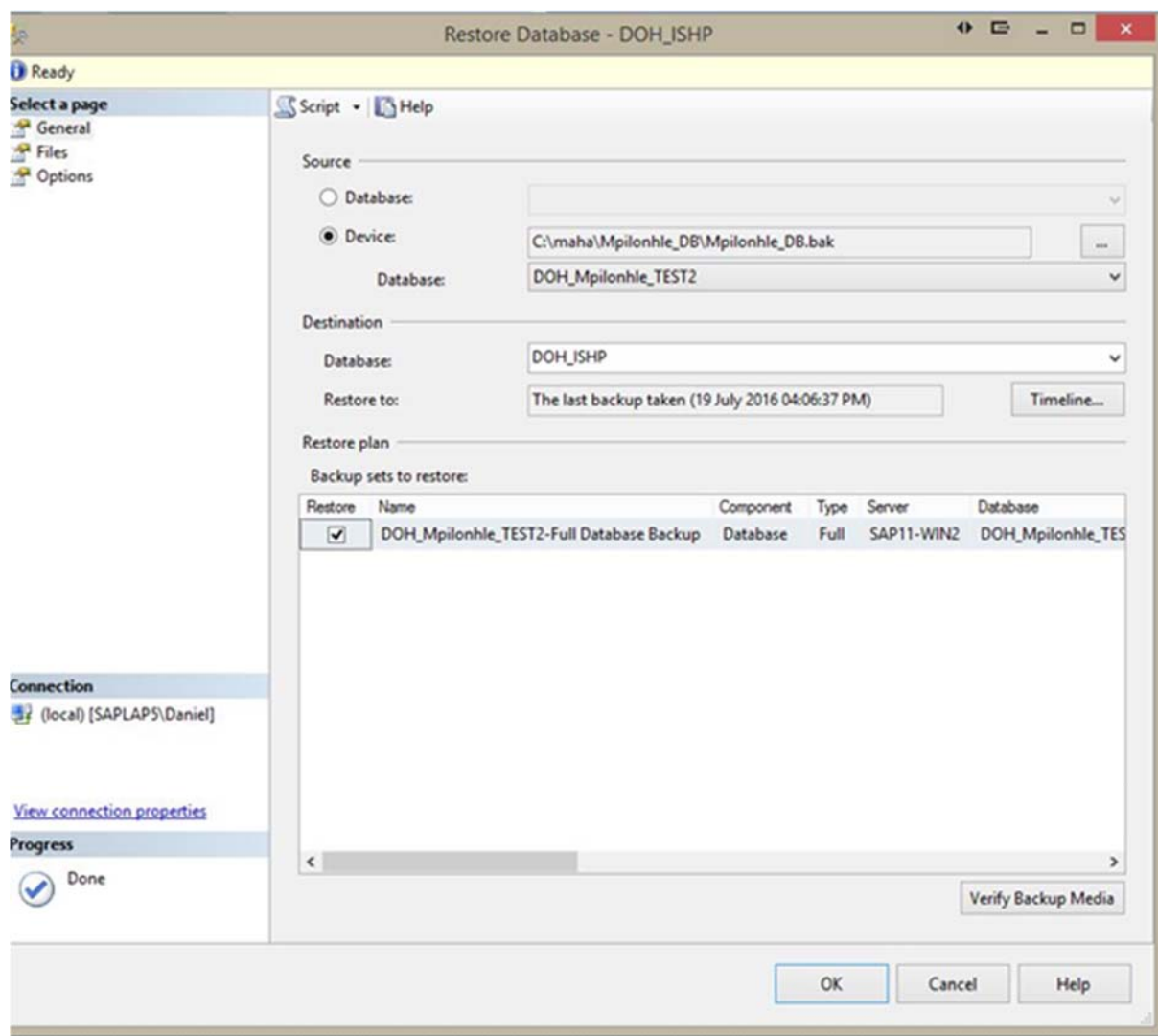
To set up the database for the site you will need to have a backup file that you will restore into the machine.

Open SQL Management Studio, create a new database and call it for example. "DOH_ISHP". Right click on the database, go to Tasks, then go to restore, select database.

You will proceed to the General screen in figure 30 below.

- For source, select device and navigate to where your backup file (.BAK) for the database is located.
- Destination – For the database selection, select the database that you created in the previous step.

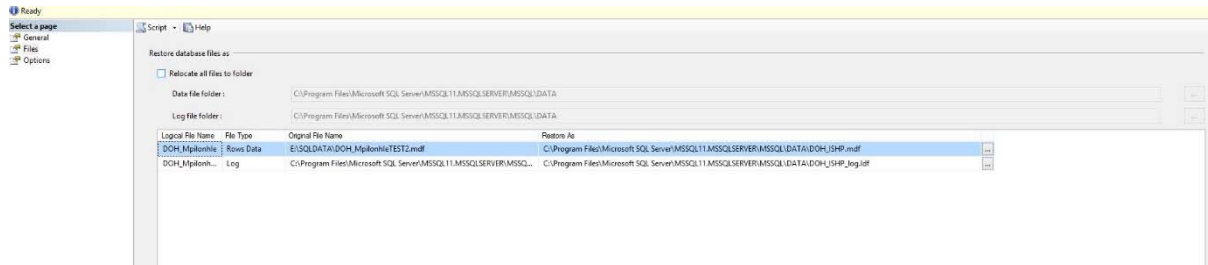
Figure 30



Files

The Files tab in figure 31 below allows you to save the files for the database to your desired location should you wish to change the default location that has been set up for you.

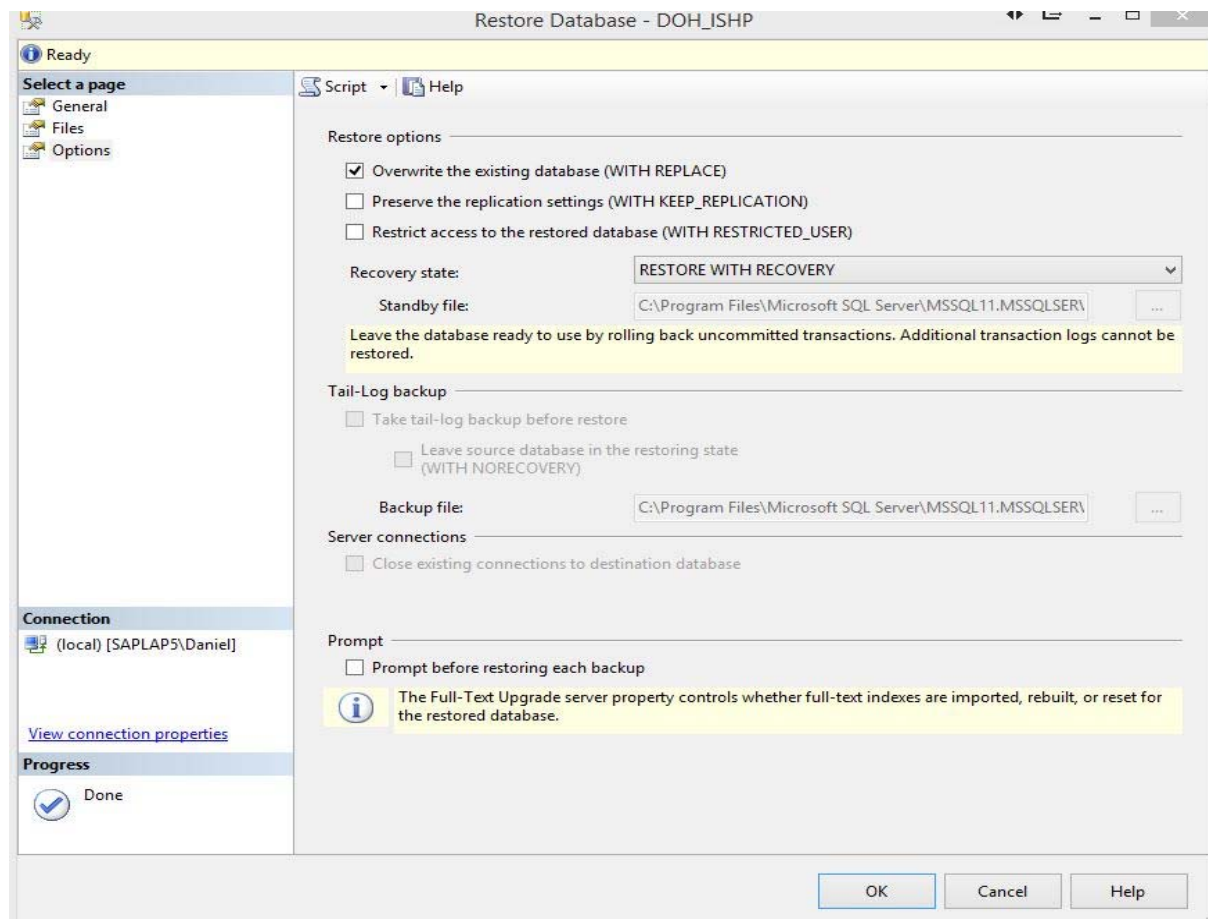
Figure 31



Options

The options tab in figure 32 below shows restore options you may wish to use, normally to select "Overwrite the existing database (WITH REPLACE)" to make sure that you making and exact replica of the backed up database.

Figure 32



Database Structure

Figure 33 below is the folder structure of the tables in the database, where all the data is stored.

Figure 33

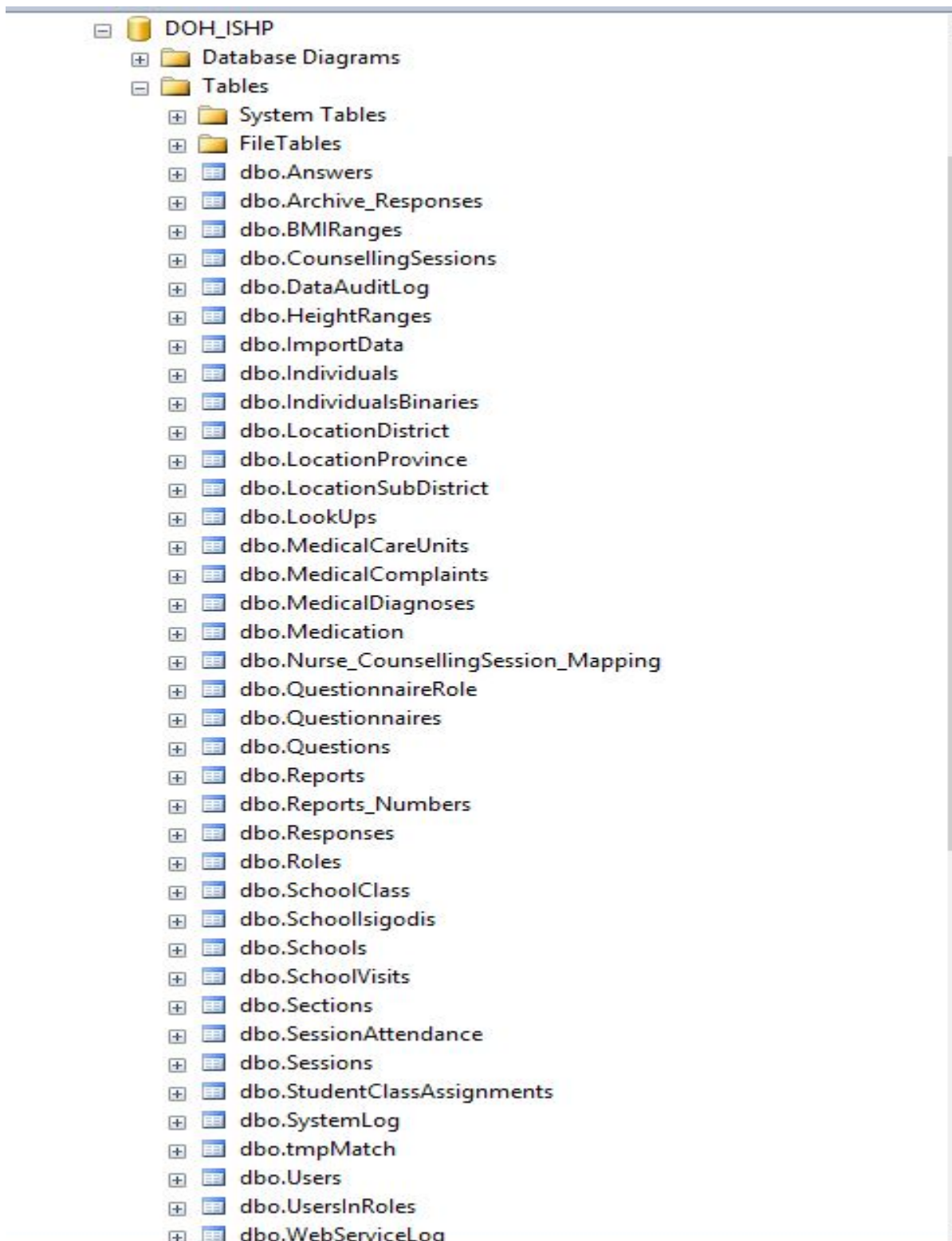


Figure 34 below are the stored procedures that run queries for fetching data in the system for reports or for the web application.

Figure 34

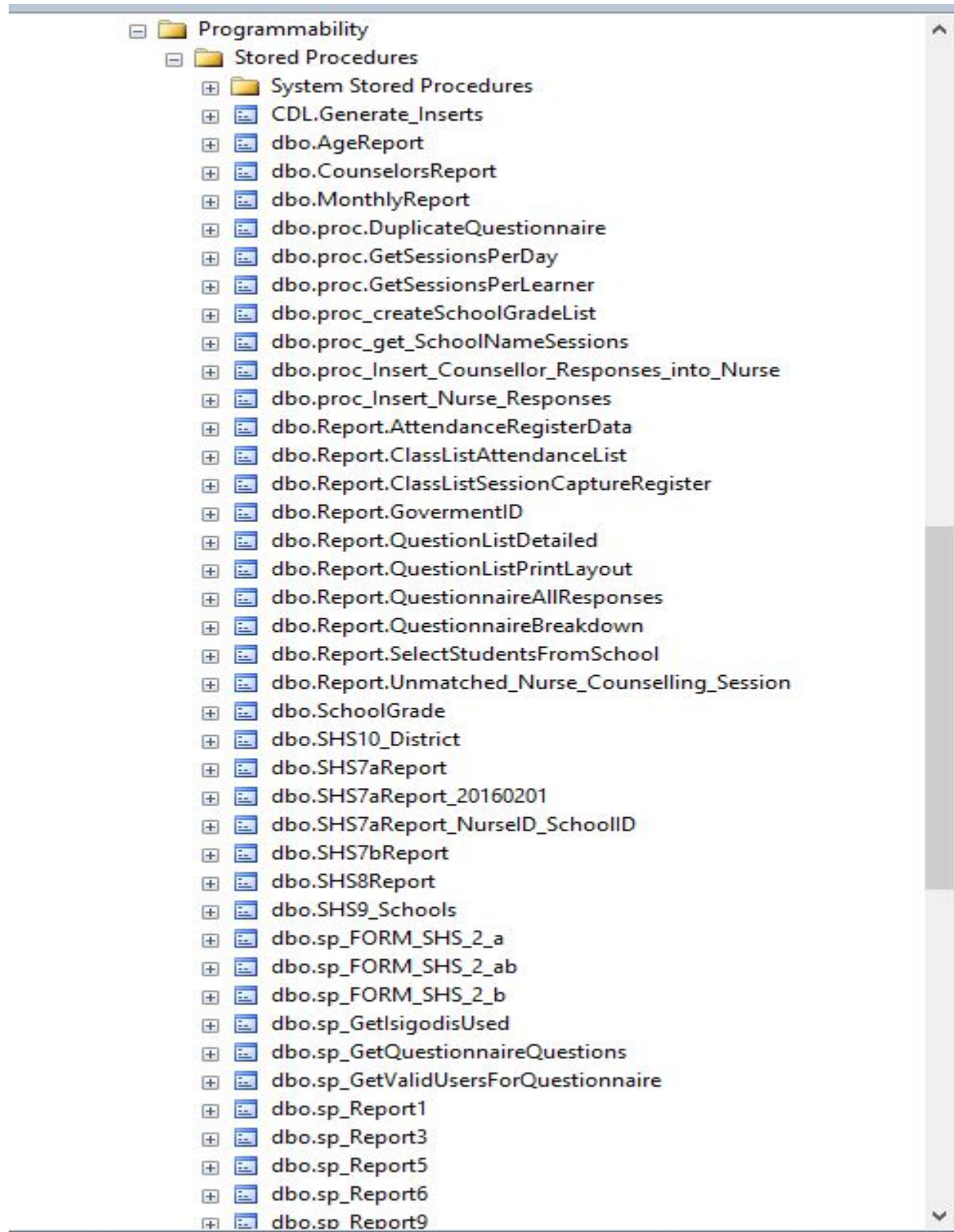
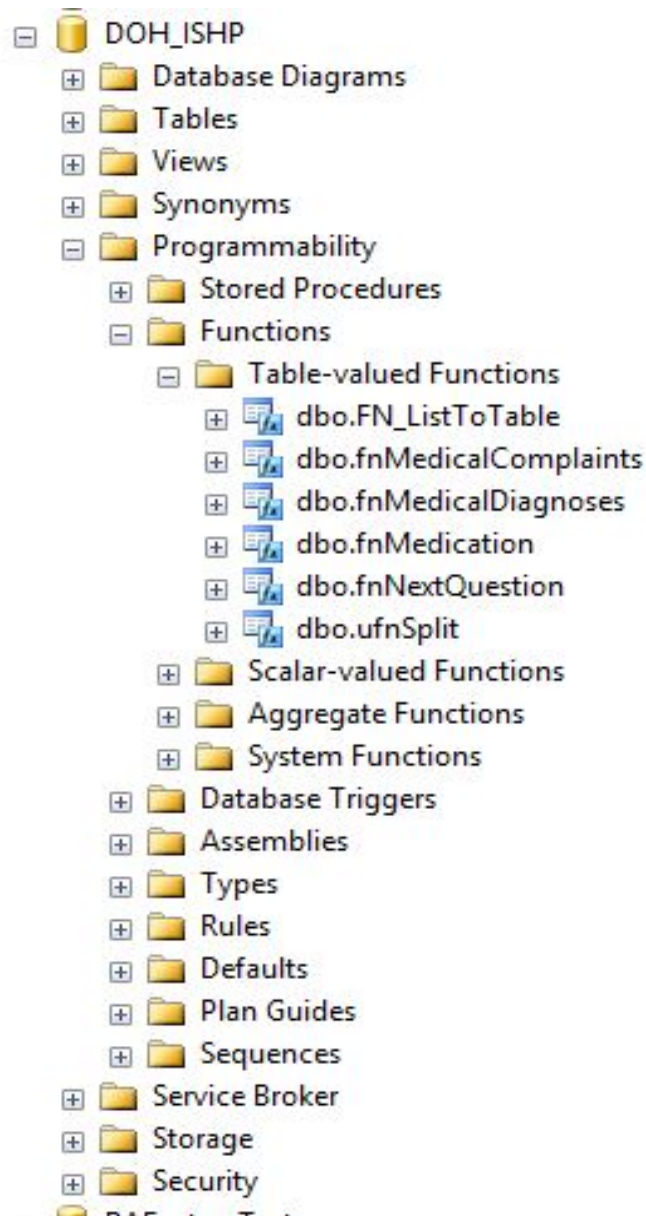


Figure 35 below are the functions that the system uses for calculations or to do some data manipulation.

Figure 35



When the application is set up in (IIS) and the database has been set up you should change the web configuration of the application to point to your database and report server.

You will have to modify the configuration in figure 36 below with the settings that relate to your machine such as the report server and the database.

Figure 36

```

<?
(configuration)
<configSections>
  <!-- For more information on Entity Framework configuration, visit http://go.microsoft.com/fwlink/?linkID=237468 -->
  <section name="entityFramework" type="System.Data.Entity.Internal.ConfigFile.EntityFrameworkSection, EntityFramework, Version=5.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" requirePermission="false" />
</configSections>
<appSettings>
  <add key="Mplionhle" value="Mplionhle" />
  <add key="ValidationSettings:UnobtrusiveValidationMode" value="None" />
  <add key="reportServerUrl" value="(*report server url)" />
  <add key="report_username" value="(*report server username)" />
  <add key="report_password" value="(*report server password)" />
  <add key="report_domain" value="(*domain to login into report server)" />
  <add key="report_path" value="(*folder path to reports in the report server)" />
  <add key="CSVpath" value="~/Reports/Data Extract/" />
</appSettings>

<!--mplionhle db on 156-->
<connectionStrings>
  <add name="MplionhleConnection" connectionString="data source=(local);initial catalog=OOH_IS@;persist security info=True;user id=(*sql server login username);password=(*password)" providerName="System.Data.SqlClient" />
  <add name="OOH_MplionhleEntities" connectionString="metadata=res://*/App_Code.Model.csdl;res://*/App_Code.Model.ssdl;res://*/App_Code.Model.msl;provider=System.Data.SqlClient;provider connection string=(*data source=(local);initial catalog=OOH_IS@;persist security info=True;user id=(*sql server login username);password=(*password);MultipleActiveResultSets=True;Application Name=EntityFramework" providerName="System.Data.SqlClient" />
  <add name="OOH_MplionhleConnectionString" connectionString="Data Source=(local);Initial Catalog=OOH_IS@;Persist Security Info=True;User ID=(*sql server login username);Password=(*password);MultipleActiveResultSets=True;Application Name=EntityFramework" providerName="System.Data.SqlClient" />
</connectionStrings>

```