In this document we provide the guide of using the tool with screen shorts (including data collection forms).

**Homepage**

On the home page the administrator can read information about the Decision Support Framework for Metric Selection in Goal-Based Measurement Programs (GQM-DSFMS). The user can view links of other software measurement related websites. The user can also view the news updates about software metrics.

![Home Page](image)

**FIGURE D. 1 : Home Page**

By pressing on USER button a list of existing users will be displayed.

**List User:**
The administrator can view, add, edit and delete users by using links provided on the following Users List screen.
Add/Edit User:
Using this screen the administrator can create different types of users to assign them particular roles for using the tool. Here, the administrator will provide basic information of each user as shown in following screen. The same screen will be opened for editing user information by clicking on the “Edit” user link provided on View User Screen.
Project

By pressing on PROJECT button a list of existing projects will be displayed.

**List Project:**
The administrator can view, add, edit and delete projects by using the links shown on following Project List screen.

![Project List View](image)

**FIGURE D. 4: Project List View**

**Add/Edit Project:**
Using this screen the administrator can create projects for which he/she is going to run a measurement program. Here, the administrator will give basic information of the project as shown in following screen. The same screen will open for editing project information by clicking on “Edit” project link shown on Project List Screen.
A.1.1 Goals

By pressing on Goal button a list of existing goals and their sub-goals will be displayed.

List Goals/sub-goals:
The administrator can view, add, edit and delete goals by using links shown on the following Goals List screen.
To view sub goals of a particular goal, the administrator will click on Edit link provided on the goal list screen and another screen will open in goal editing mode and show its particular sub goals list. The administrator can add for this particular goal by clicking on “Add to Goal” link shown under “Action” title. It is actually many-to-many relation of parent and child goals.

Add/Edit Goal and Sub-Goal:
Using this screen, the administrator can create goals/sub-goals against any created project by selecting from Project list. Here administrator will give basic information of goals/sub-goals as shown in the following screen. The same screen will be open for editing goals/sub-goals information by clicking on “Edit” goals/sub-goals link shown on goals/sub-goals List Screen.
A.1.2 Questions

To view Questions no direct link is provided, because questions always will be added against any lowest level sub goals, so the administrator could view questions by clicking on “Edit” link of any lowest level sub goals.

**List Questions:**
By following the above process a list of existing questions against a particular goal will be displayed. The administrator can view, add, edit and delete questions by using links shown on following Question List screen.

![Questions List](image)

**FIGURE D. 9: Questions List**

In following screen shot other parents sub-goals questions will also display which administrator can add for this particular goal by clicking on “Add to Goal” link provided under “Action” title.
Add/Edit Questions:
Using this screen the administrator can create questions against a selected goal by selecting from the goals list. The administrator will give basic information of questions as shown in following screen.

FIGURE D. 10: Questions Information

FIGURE D. 11: Question-Attributes View
A.1.3 Attributes

By pressing on Attribute button a list of existing attributes will be displayed.

List Attribute:
The administrator can view, add, edit and delete Attributes by using links shown on following Attribute List screen.

Add/Edit Attribute:

Using this screen the administrator can create attributes for storing in the measurement repository. Here, the administrator will provide basic information of attributes as shown in following screen. The same screen will be open for editing attribute information by clicking on the “Edit” attribute link show in attribute list screen.
A.1.4 Measures

To view Measures no direct link is provided, because measures always will be added against any attribute, so the administrator could view measures by clicking on “Edit” link of any attribute.

**List Measures:**
By following above process a list of existing measures against a particular attribute will be displayed. The administrator can view, add, edit and delete measures by using the links shown on following screen.
In following screen shot other parents (last level sub-goals) children (questions) will also display which administrator can add for a particular goal by clicking on the “Add to Goal” link provided under the “Action” title.
Add/Edit Measures:
Using this screen the administrator can create measures against selected attribute by selecting from attribute list. The administrator will provide basic information of measure as shown in following screen. The screen will be open for editing measure information by clicking on the “Edit” measure link shown on measures List Screen.

![Add/Edit Measures Screen](image)

**FIGURE D. 16: Measures View**

A.1.5 Attributes and Measures selection

After creating goals and their corresponding questions the administrator needs to add attributes and measures corresponding to each question. By clicking on question “Edit” the administrator will have a list of attributes under the question edit window where he/she can select particular attributes and measures for questions. Following screen is showing attributes list, which depicts measurement repository concept.
By clicking on the select measure link a popup window will be open as shown in the following screenshot. Here, the administrator can select measures by click on check boxes to add them for a particular attribute. Although we already added attributes and measures, these are going to be selected for a particular project for which the administrator is running a measurement program.