

## Moralife Use Case 4-1 – Reference

- 1 **Description** – This step entails the actions necessary to view the data that the User has entered to this point.
- 2 **Actors** – System is the software called Moralife which responds to user feedback. The User is a Moralife user that has entered in some data in the system and wishes to see this data.
- 3 **Conditions** – User must have created a Conscience and entered in at least one choice or action.
  - 3.1 **Pre-conditions** – User has logged onto the software, previously created a Conscience and previously entered at least one choice/action that has been tabled.
  - 3.2 **Post-conditions** – User successfully requests a report or reference and receives it.
  - 3.3 **Fail-conditions** – N/A
- 4 **Flow of Events** – This use case is utilized when the User wishes to see the progress that he/she has made towards his/her goal or reference the System Data contained within the System.

Step	Actor	Action
1	System	Determines the amount of data present for reporting. Limits reporting options to available data. Sets up temporary data tables.
2	System	Prompts User to select whether they want to run a Report or view References.
3	User	Selects whether to run a Report or view References.
4	System	Provides User with ability to either run a Report or view References.
5	User	Selects type of report that he/she wishes to run or the type of Reference that they would like to check.
6	System	Runs Report or returns Reference material.
7	User	Chooses to review Report or Reference.
8	User	Chooses to exit References section.
10	System	Deletes temporary data tables.
11	System	Returns User to Main Menu.

4.1 **Main Flows** – The Reference functionality of Moralife allows the User to track data that he/she has entered into the system as well as the System Data available.

4.1.1 System checks available System and User Data to determine what report and graph choices to present to User.

- 4.1.2 System prompts User, "Would you like to run a Report or view References?"
- 4.1.3 User selects type. **See Sub Flows 4.2.**
- 4.1.4 System prompts User, "Which type of data would you like to see?"
- 4.1.5 User selects View Type.
- 4.1.6 System prompts User, "Which type of report/graph would you like to see?" Choice is dependent upon View Type.
- 4.1.7 User selects Graph/Report Type.
- 4.1.8 System generates report/graph.
- 4.1.9 User reviews Report.
- 4.1.10 User selects additional criteria on current report selects to return to Reference Main Menu. **See Sub Flows 4.2.**
- 4.1.11 System deletes temporary tables.
- 4.1.12 System returns User to Main Menu.
- 4.2 **Sub Flows** - User can elect to further specify vectors and constraints once the report/graph is generated. User can also simply view Reference Materials.
- 4.2.1 Report Review - User can choose to change the criteria of the Report.
- 4.2.2 Reference Review - User can select a checkbox signifying that he/she has become familiar with the Reference.
- 4.3 **Exception Handling** - N/A

5 **Requirements** - System Data should be present and previously entered User Data allows for additional reporting choices.

5.1 **Data Fields** - <Description of fields to be entered and their properties.>

Field	Validation
ViewType	String, Not Null. <=32 Characters
ReportType	String, Not Null. <=128 Characters
GraphType	String, Not Null. <=128 Characters
ReferenceType	String, Not Null. <=128 Characters
ReferenceReviewed	Boolean, Null.

5.2 **Business Rules** - User is able to determine in what way he/she would like to view either the System Data or User Data entered.

<b>Business Rule</b>	1. View
<b>Fields Required</b>	ViewType
<b>Rule Operation</b>	User selects whether they wish to generate a report or

	view a graph.
<b>Business Rule</b>	2. Report
<b>Fields Required</b>	ReportType
<b>Rule Operation</b>	User selects Report Type from available choices
<b>Business Rule</b>	3. Graph
<b>Fields Required</b>	GraphType
<b>Rule Operation</b>	User Selects Graph Type from available choices.
<b>Business Rule</b>	4. Reference
<b>Fields Required</b>	ReferenceType
<b>Rule Operation</b>	User Selects Reference Type from available choices.
<b>Business Rule</b>	5. Reference Perusal
<b>Fields Optional</b>	ReferenceReviewed
<b>Rule Operation</b>	User Selects Reference Reviewed checkbox from Reference screen. System notes that the User has become familiar with Reference.