

Sked-it			
Requirements Traceability Matrix			
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CS 191 Software Engineering			
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History Revision:			
Revision Date	Person Responsible	Version Number	Modification
11/19/2019	Patric Charles Garcia	1.0	Initial Document
11/19/2019	Patric Charles Garcia	1.1	Inserted all the values from the original RTM and created the sheets for each use case
11/19/2019	Patric Charles Garcia	1.2	Added the Use Case No., Scenario No., RTM ID, and Scenario Descriptions of each use case sheet
11/19/2019	Patric Charles Garcia	1.3	Added the test case for UC1 and UC1.1
11/19/2019	Joshua V. Dela Sierra	1.4	Added the UAT for UC 1.2 and UC 1.3
11/20/2019	Justin Tristan Gabriel R. Grand	1.5	Added test cases for UC2.1 and UC3.0
11/20/2019	Joshua V. Dela Sierra	1.6	Finished the remaining test cases and finalized the document

Use Case No.	Description
1.0	Notify Individuals
1.1	Create Profile
1.2	Create Group
1.3	Create Schedule
2	Appoint Leaders
2.1	Notify Group
2.2	Confirmation of Common Schedule
3	Link Schedules

Scenarios

Use Case No.	Scenario No.	RTM ID	Scenario Description	Priority Status
UC1.0	S0	UC1.0-S0	Successful Notification	Must Have
UC1.1	S0	UC1.1-S0	Invalid Email	Must Have
UC1.1	S1	UC1.1-S1	Email already used	Must Have
UC1.1	S2	UC1.1-S2	Successful Creation of Profile	Must Have
UC1.1	S3	UC1.1-S3	Invalid Password	Must Have
UC1.2	S0	UC1.2-S0	Successful Creation of Group	Must Have
UC1.3	S0	UC1.3-S0	Successful Creation of Routine Schedule	Must Have
UC1.3	S1	UC1.3-S1	Successful Creation of Group Free-time Schedule	Must Have
UC1.3	S2	UC1.3-S2	Successful Creation of Date-Specific Schedule	Must Have
UC1.3	S3	UC1.3-S3	Wrong Time Intervals	Should Have
UC2.0	S0	UC2.0-S0	Everyone Agrees and a Member is Appointed	Must Have
UC2.0	S1	UC2.0-S1	Most of the Members Agrees and a Member is appointed	Should Have
UC2.0	S2	UC2.0-S2	Most of the Members Disagrees and the process is repeated	Should Have
UC2.1	S0	UC2.1-S0	Successful Notification	Must Have
UC2.2	S0	UC2.2-S0	Everyone Agrees and a time is confirmed	Must Have
UC2.2	S1	UC2.2-S1	Some of the members are not available but have confirmed	Must Have
UC2.2	S2	UC2.2-S2	Some of the members have confirmed but redacted their confirmation after	Should Have
UC2.2	S3	UC2.2-S3	Some of the members have confirmed but overrides the schedule with a schedule of a higher priority	Could Have
UC3.0	S0	UC3.0-S0	Common free time is successfully found between individual users	Must Have
UC3.0	S1	UC3.0-S1	Common free time is successfully found between group members	Must Have
UC3.0	S2	UC3.0-S2	No common free time was found between the users	Must Have

Use Case No.	Scenario No.	RTM ID	Scenario Description	Notification Exists	Expected Result
UC1.0	S0	UC1.0-S0	Successful Notification	Yes	Individual User is Notified by the system

Use Case No.	Scenario No.	RTM ID	Scenario Description	Valid Email	Valid Password	User Profile already exists in Database	Expected Result
UC1.1	S0	UC1.1-S0	Invalid Email	something@.com	password	no	Error Message: Email does not exist/Invalid email
UC1.1	S1	UC1.1-S1	Email already used	something@gmail.com	password	yes	Error Message: Email already used
UC1.1	S2	UC1.1-S2	Successful Creation of Profile	realsomething@gmail.com	password	no	Profile will be created and viewed by the user
UC1.1	S3	UC1.1-S3	Invalid Password	realsomething@gmail.com	nopassword	no	Error Message: Invalid password format

Use Case No.	Scenario No.	RTM ID	Scenario Description	New Group	Expected Results
UC1.2	S0	UC1.2-S0	Successful Creation of Group	Yes	Confirmation Message: New Group is Created

Use Case No.	Scenario No.	RTM ID	Scenario Description	Time Intervals	Routine Schedule	Free-Time Schedule	Date-Specific Schedule	Expected Results
UC1.3	S0	UC1.3-S0	Successful Creation of Routine Schedule	Correct	Yes	No	No	Confirmation Message: New Routine Added/Updated
UC1.3	S1	UC1.3-S1	Successful Creation of Group Free-time Schedule	Correct	No	Yes	No	Confirmation Message: New Free-time Added/Updated
UC1.3	S2	UC1.3-S2	Successful Creation of Date-Specific Schedule	Correct	No	No	Yes	Confirmation Message: New Date-specific Event Added/Updated
UC1.3	S3	UC1.3-S3	Wrong Time Intervals	Incorrect	Does not matter	Does not matter	Does not matter	Error Message: Wrong Time Interval

Use Case No.	Scenario No.	RTM ID	Scenario Description	Elected Member	Votes for Appointment	Expected Result
UC2.0	S0	UC2.0-S0	Everyone Agrees and a Member is Appointed	Yes	100%	Confirmation Message: The Election has been successful and the Leader is Appointed.
UC2.0	S1	UC2.0-S1	Most of the Members Agrees and a Member is appointed	Yes	>50%	Confirmation Message: The Election has been successful and the Leader is Appointed.
UC2.0	S2	UC2.0-S2	Most of the Members Disagrees and the process is repeated	No	<=50%	Special Message: The Election has not been successful and a Leader is not Appointed.

Use Case No.	Scenario No.	RTM ID	Scenario Description	Notification Exists	Expected Results
UC2.1	S0	UC2.1-S0	Successful Notification	Yes	Group is Notified by the system

Use Case No.	Scenario No.	RTM ID	Scenario Description	Confirmed	Redacted Confirmation	Override Confirmation	Expected Result
UC2.2	S0	UC2.2-S0	Everyone Agrees and a time is confirmed	Yes	No	No	Confirmation Message: Everyone has Confirmed
UC2.2	S1	UC2.2-S1	Some of the members are not available but have confirmed	Yes	No	Irrelevant	Confirmation Message: Schedule has been Confirmed
UC2.2	S2	UC2.2-S2	Some of the members have confirmed but redacted their confirmation after	Yes	Yes	Irrelevant	Redaction Message: Someone has changed their confirmation status
UC2.2	S3	UC2.2-S3	Some of the members have confirmed but overrides the schedule with a schedule of a higher priority	No	Yes	Yes	Redaction Message: Someone has changed their confirmation status

Use Case No.	Scenario No.	RTM ID	Scenario Description	Number of Users Involved	Common Free Time Found	Expected Result
UC3.0	S0	UC3.0-S0	Common free time is successfully found between individual users	2	Yes	Confirmation Message: Common Free Time Found, New Schedule created
UC3.0	S1	UC3.0-S1	Common free time is successfully found between group members	2 or more	Yes	Confirmation Message: Common Free Time Found, New Schedule created
UC3.0	S2	UC3.0-S2	No common free time was found between the users	2 or more	No	Error Message: No Common Free Time Found