

Test Case Design : DiscussAction

Testing the application is an essential portion of the project and can help avoid critical failures during deployment. Many tests will be created to ensure the product functions reliably and accurately. The design will be all-encompassing to ensure all boundary values are tested, decision branches are functional, state transitions are smooth, and individual use cases are covered.

Test Cases: General Application

- The application can be navigated without error.
- The user quickly switches into and out of application context.
- The device powers off while saving vote data.
- The user enters incomplete or invalid action item data.
- The user accesses the application without internet connectivity.
- The application pauses at any point.

Functionality	Inputs	Expected	Actual
User votes on a topic	A "Vote" Action	The internal storage and external server both receive and update voting status for that device.	
User unvotes on a topic	An "Unvote" Action	The internal storage and external server both receive and update voting status for that device.	
User adds an action item	String Title String Description	The external server accepts and adds that action item to a list of available action items for that meetup.	
User votes on an action item	A "Vote" Action	The internal storage and external server both receive and update voting status for that device.	

User unvotes on an action item	A "Unvote" Action	The internal storage and external server both receive and update voting status for that device.	
Voting for topics comes to a close	An array of String objects representing the topics. An array of Integer objects representing the votes.	The topic with the highest vote count will be selected as the current topic.	
Voting for times and locations comes to a close	An array of Date objects.	An algorithm will be used to select the "best" time according to user votes and the standard TCNJ schedule.	