Table of Contents

Login Test Case

Test Case ID#: 01
System: Computer Software
Date : November 6, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from logging into their account

Preconditions:
- The application has launched on the user's mobile device and the login screen appeared, the player must also have an internet connection

Description:
Step 1: User fills in the information needed on the login screen
- Success: The text boxes allow the user to fill in the necessary information
- Success: The text boxes display the user input correctly
- Failure: The text boxes do not allow for any user input
- Failure: The text boxes incorrectly display the user input

Step 2: The User's information is accepted and user information is retrieved from database
- Success: Based on the User's information, their information is either retrieved or not
- Failure: The User has input a valid username and password but the game does not allow them to move further

Post Condition:
- User is able to retrieve their information from the database and login to use the application

Creating an Account Test Case

Test Case ID#: 02
System: Computer Software
Date : November 6, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from creating an account and therefore using the service and application

Preconditions:
- The application has launched on the user's mobile device and the user has clicked to create an account on the create account screen, the player must also have an internet connection

Description:
Step 1: User fills in the information needed on the account creation screen
- Success: The text boxes allow the user to fill in the necessary information
- Success: The text boxes display the user input correctly
- Failure: The text boxes do not allow for any user input
- Failure: The text boxes incorrectly display the user input
Step 2: The User's information is accepted and the information is uploaded to a database
- Success: Based on the User's information, their information is either accepted or denied
- Failure: The username already exists but the User isn't notified
- Failure: The User has input a valid username and password but the application does not allow he/she to move forward
Step 3: The User is sent to the login screen to now be able to join the game
- Success: After successfully creating an account, the User is moved to the login screen where they can login and use the application
- Failure: The User remains on the Create Account screen after successfully creating an account

Post Condition:
- User is able to upload their information onto a database and moves back to the login screen

Lobby Test Case

Test Case ID#: 03
System: Computer Software
Date : November 6, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from using the lobby page to view and interact with nearby and available items

Preconditions:
- The user has logged into a valid account

Description:
    Step 1: The User moves into an area where an item is available
    - Success: If the user meets requirements, the item is displayed
    - Success: If the user does not meet requirements, the item is not displayed
    - Failure: The user does not meet requirements and the item is displayed
    - Failure: The user meets requirements and the item is not displayed
    Step 2: The User interacts with available items
    - Success: The user can scroll through available items
    - Success: The user can click on items (see document and room test cases)
    - Failure: The user cannot scroll through items
    - Failure: The user cannot click on items
    Step 3: The User moves away from an area where an item is available
    - Success: The item is not longer displayed
    - Failure: The item is still displayed

Post Condition:
- User is able to interact with nearby, available items

Document Test Case

Test Case ID#: 04
System: Computer Software
Date : November 6, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from interacting with document items

Preconditions:
- The user has clicked on a nearby, available item (see lobby test case)

Description:
    Step 1: The user clicks on a document
    - Success: The document details are displayed
    - Failure: The document details are not displayed
    Step 2: The User scrolls through comments
    - Success: Document comments are displayed and constantly refreshed
    - Failure: Comments are not displayed and/or not refreshed
    Step 3: The User moves away from an area where an item is available
    - Success: The document is not longer displayed
    - Failure: The document is still displayed

Post Condition:
- User is able to interact with document

Comment Test Case

Test Case ID#: 05
System: Computer Software
Date : November 6, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from commenting on a nearby and available document

Preconditions:
- The user has clicked on a nearby, available item and scrolled into the comment section (see document test case)

Description:
Step 1: The user clicks on the comment box
- Success: The keyboard is displayed
- Success: User input is taken and submitted to the database
- Success: The comment section is refreshed to show the new comment
- Failure: The keyboard is not displayed and/or the user cannot input text
- Failure: The user input is not submitted to the database
- Failure: The comment section cannot be refreshed

Step 2: The user clicks to reply to a comment
- Success: The keyboard is displayed
- Success: User input is taken and submitted to the database
- Success: The comment section is refreshed to show the new reply to the comment
- Failure: The keyboard is not displayed and/or the user cannot input text
- Failure: The user input is not submitted to the database
- Failure: The comment section cannot be refreshed
- Failure: Reply is not displayed under correct comment

Step 3: The User moves away from an area where an item is available
- Success: The document is not longer displayed
- Failure: The document is still displayed

Post Condition:
- User is able to comment on a document

<div align="center">Download Test Case</div>

Test Case ID#: 06
System: Computer Software
Date : November 11, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from downloading a file

Preconditions:
- The user has arrived at the location of a specified file

Description:
  Step 1: The user choses to download a specified file
  - Success: The file begins to download from the server
  - Failure: The file does not begin downloading
  Step 2: The file is downloaded
  - Success: The file is downloaded in its entirety
  - Failure: The file is not downloaded as intended
  Step 3: The file is saved to the user's Files folder
  - Success: The file is successfully saved on the user's device
  - Failure: The file fails to save

Post Condition:
- User is able to interact with a downloaded file

<div align="center">Upload Test Case</div>

Test Case ID#: 07
System: Computer Software
Date : November 11, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from Uploading a file

Preconditions:
- The user has arrived at the location where he wishes to upload his document

Description:
Step 1: User is asked to grant app permission to manage files stored on device
- Success: The prompt opens up requesting access to files
- Failure: The prompt to grant permission does not appear on the device

Step 2: The application opens up the user's file folder
- Success: The file folder is opened
- Failure: The file folder is not opened

Step 3: User chooses a file to upload
- Success: The file is successfully selected
- Failure: The intended file is not selected

Step 4: The file user confirms his selection
- Success: The user is able to successfully confirm his selected file
- Failure: The user is unable to confirm his selected file

Step 5: The selected file is uploaded to the server
- Success: The intended file is uploaded to the server in its entirety
- Failure: The file fails to upload to the server

Post Condition:
- The user's file is not uploaded to the server where other users can download said file

Navigation Bar Test Case

Test Case ID#: 08
System: Computer Software
Date : November 11, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from using the navigation bar

Preconditions:
- The user has is in the lobby screen

Description:
Step 1: The User selects a new page to navigate to (Settings, Help, Map View)
- Success: The user receives visual feedback on his chosen selection
- Failure: The user is unable to tell if a selection has been made

Step 2: The User is taken to the selected page
- Success: The user navigates to the selected page
- Failure: The user is not able to navigate to the selected page

Post Condition:
- User is now at a new page than previously

Settings Test Case

Test Case ID#: 09
System: Computer Software
Date : November 13, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from changing the settings of the application

Preconditions:
- The user moves to the settings activity from the navigation bar

Description:
Step 1: The user chooses to update their username
- Success: The username is successfully changed in the database
- Success: The application notifies the user that the current username is taken
- Success: The application notifies the user that the username does not meet a set of requirements
- Failure: The application does not change the username in the database
- Failure: The application fails to notify the user that the current username is taken and allows the change in the database
- Failure: The application allows a username that has not met certain requirements to be updated in the database

Step 2: The user chooses to update their password
- Success: The password is successfully updated and changed in the database
- Success: The application notifies the user that the current password does not meet a set of requirements
- Failure: The password that meets the requirements does not get updated
- Failure: The password which does not meet requirements gets updated

Step 3: The user chooses to update their email
- Success: The email is successfully updated in the database after a verification process
- Success: The user receives the verification process in their new email
- Success: The email does not get updated until the user finishes that verification process

- Failure: The email gets updated without the user having to go through a verification process
- Failure: The email does not meet requirements but gets updated anyway

Step 4: The user chooses to update their name
- Success: The user's name is successfully updated in the database
- Failure: The application does not allow the user to update their name
- Failure: The application allows the user to input a blank statement as their name and updates the database with the input

Step 5: The user chooses to upload a new profile picture
- Success: The application allows the user to select an image from their gallery and update their image
- Success: The database receives and stores their image
- Failure: The application does not switch to the gallery so that the user can choose an image
- Failure: The application does not allow the user to update their image
- Failure: The database does not update the user's image

Step 6: The user chooses to update their download settings
- Success: The settings update the application's process for a customized user experience
- Failure: The settings do not change whether the user begins to download through Wi-fi or their carrier.

Step 7: The user chooses to update their push notifications settings
- Success: The push notification settings get successfully updated depending on the choice selected
- Failure: Push notifications are sent regardless of the user settings

Post Condition:
- The application should be updated according to the user's settings choice

Help Test Case

Test Case ID#: 10
System: Computer Software
Date: November 13, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from receiving advice from the Help activity

Preconditions:
- User chooses to arrive at the help activity through the navigation bar

Description:
Step 1: User chooses a tutorial video
- Success: The video automatically links to a video on Youtube for the respective tutorial video
- Failure: The video does not launch

Step 2: User clicks on the FAQ list
- Success: The appropriate question opens along with the solution
- Failure: The FAQ list does not appear
- Failure: The wrong question and solution appear

Step 3: User chooses to send a message
- Success: The question is sent to the developers for easy answering
- Failure: The question does not appear for developers to answer

Post Condition:
- The user is able to find the help necessary

Room Test Case

Test Case ID#: 11
System: Computer Software
Date: November 13, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from interacting with a room

Preconditions:
- The room should be available to the user (the user meets all requirements to enter room)

Description:
    Step 1: Query Server for all documents in a room
- Success: The documents are successfully queries based on the user selection
- Failure: The wrong set of documents appear

    Step 2: Display all documents in the room
- Success: All of the queried documents appear in the room selected
- Failure: The room contains documents but none display

Post Condition:
- The user is able to find the help necessary

Test Case ID#: 12
System: Computer Software
Date : November 6, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from correctly interacting with the Map View

Preconditions:
- The user has logged in with a valid account and clicks on the map view icon located in their lobby

Description:
    Step 1: User Arrives in Map View Activity
- Success: Visual demonstration of the file/room clusters appear
- Failure: The map view does not load
- Failure: Incorrect queries or incorrect information of clusters

    Step 2: User Clicks on an Item located on the map and the application reacts based on the item clicked
- Success: Opens an activity based on the cluster clicked
- Failure: Activity opens but it is empty
- Failure: Unable to click on the activity

Post Condition:
User is able to retrieve their information from the database and login to use the application

Rate Test Case

Test Case ID#: 13
System: Computer Software
Date : November 6, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from rating a nearby and available document

Preconditions:
- The user has clicked on a nearby, available item and scrolled into the comment section (see document test case)

Description:
Step 1: The user clicks on the thumbs up on a comment
- Success: User input is taken and submitted to the database
- Success: The comment section is refreshed to show the new rating
- Failure: The user input is not submitted to the database
- Failure: The comment section cannot be refreshed
Step 2: The user clicks on the thumbs down on a comment
- Success: User input is taken and submitted to the database
- Success: The comment section is refreshed to show the new rating
- Failure: The user input is not submitted to the database
- Failure: The comment section cannot be refreshed
Step 3: The User moves away from an area where an item is available
- Success: The document is not longer displayed
- Failure: The document is still displayed

Post Condition:
- User is able to rate the document

Website Login

Test Case ID#:14
System: Computer Software
Date : November 27, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from logging into the website associated with the application

Preconditions:
- The user has typed out the appropriate URL to reach the website

Description:
Step 1: Type the URL associated to the application to arrive at the proper webpage
- Success: The user is able to see the introduction page where they can sign in or sign up for an account
- Failure: The user is unable to arrive at the web page although they have typed in the proper URL
- Failure: The user is unable to see the option to login or sign up to the application

Step 2: The user clicks on the Login/Sign Up button located on the header of the webpage
- Success: The user gets sent to the page where they login or sign up to the application
- Failure: The button click takes them to the wrong web page
- Failure: The button does not allow them to navigate anywhere else

Step 3: The user arrives at the Login page and types their username and password
- Success: The user is able to type in their user information
- Failure: The user is unable to login nor are they able to sign up
- Failure: The user is unable to interact with the required fields

Step 4: The webpage accepts the username and password and sends the user to their associated user page
- Success: The user is sent to their user page where they can interact with their personalized files
- Failure: The user is sent to their user page but they do not see any of their files
- Failure: The user is unable to access their user page

Post Condition:
- The user is now able to interact with their user page

Website Account Creation

Test Case ID#: 15
System: Computer Software
Date : November 27, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from creating an account

Preconditions:
- The user clicks on the login/sign up button and chooses to sign up in the subsequent web page

Description:
Step 1:The user clicks on the sign up button to create an account
- Success: The appropriate editable text boxes should appear to allow them input the information
- Failure: The sign-up button does not function
- Failure: The editable text boxes cannot be edited

Step 2: The user correctly inputs their information in the correct fields
- Success: Each of the edit boxes should hold the user's information
- Failure: The edit boxes reset to an empty value after the user enters their information

Step 3: The user's information is verified and accepted
- Success: The user's unique information should then be sent to the database and stored as appropriate
- Failure: The database will not accept the user's information
- Failure: There is a network error and the database is unable to receive the information

Step 4: The user is then moved into their appropriate user page
- Success: The user arrives at the web page with their associated content
- Failure: The user's page is empty when it should have content
- Failure: The user arrives at a different web page

Post Condition:
- User is able to connect to the web page

Website File Downloading

Test Case ID#: 16
System: Computer Software
Date : November 27, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from downloading a file from the web page

Preconditions:
- The user chooses a link located on their user page to download

Description:
Step 1:The user accesses their user page
- Success: The user is able to see a list of items to download if they had put it on hold from their application
- Failure: Although the user put items on hold from their application, they are unable to see any links in their user page

Step 2: The user clicks on a file link
- Success: The file link should be marked as clicked
- Success: The mouse cursor should turn into a pointing hand icon
- Failure: The user is unable to interact with the file link
- Failure: The clicked link crashes the website

Step 3: The file begins to be automatically downloaded from the database to the computer
- Success: The file then gets stored in the location preferred by the user
- Failure: The file gets stored in the wrong location
- Failure: The user is unable to download the file anymore from the database

Post Condition:
- User is able to download an item from their user page

Test Case ID#: 17
System: Computer Software
Date : November 27, 2017
Created By: Daniel Kim / Jared Coleman / Mario Lopez

Goal:
- To find any bugs or problems that might hinder the user from uploading a file to the web page

Preconditions:
- The user chooses to upload a file from the database to be accessed on their mobile application

Description:
Step 1:The user enters the user page if they are already logged in
- Success: The user is able to see their unique user page
- Failure: The user is unable to enter their user page
- Failure: The user enters a user page not belonging to them

Step 2: The user drags and drops a file to the web page
- Success: The web page automatically starts uploading the file to the database
- Success: The file becomes available for the user on their mobile device
- Failure: The web page does not recognize that the user has dragged a file and does nothing
- Failure: The web page is unable to upload the file to the database
- Failure: The user is unable to see the file in their mobile application

Step 3:The file gets added to the database
- Success: The file is safely stored in the database
- Failure: The file is stored maliciously in the database
- Failure: The file cannot be found in the database

Post Condition:
- User is able to upload items to the database