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| USE CASE | User Login | | |
|---|---|---|---|
| **Goal in Context** | The user is able to successfully log in to the application | | |
| **Scope & Level** | System, User | | |
| **Preconditions** | The user has already created an account | | |
| **Success End Condition** | User is able to log in and retrieve all saved data | | |
| **Failed End Condition** | User is unable to log in | | |
| **Primary Actors** | User | | |
| **Secondary Actors** | Smart Phone | | |
| **Trigger** | Open application | | |
| **DESCRIPTION** | **Step** | **Action** | |
| | 1 | User opens the application | |
| | 2 | User enters username and password | |
| | 3 | User clicks submit | |
| | 4 | Server verifies user credentials | |
| | 5 | Open Lobby | |

| EXTENSIONS | Step | Branching Action |
|---|---|---|
| | 3a | If username and fields are not filled in, display an error |
| | 4a | If there is no internet connection, display an error |
| | 4b | If user credentials are not validated |
| SUB-EXTENSIONS | Step | Branching Action |
| | 3a.1 | Go to step 2 |
| | 4a.1 | Go to step 2 |
| | 4b.1 | Go to Create Account |
| Due Date | 11/13/2017 | |
| Superordinates | None | |
| Subordinates | Lobby | |
| AUTHOR | Daniel Kim / Mario Lopez / Jared Coleman | |
| Create date | 10/30/2017 | |

| USE CASE | Create Account | | |
|---|---|---|---|
| Goal in Context | The user is able to successfully create, verify, and log in with an account | | |
| Scope & Level | System, User | | |
| Preconditions | None | | |
| Success End Condition | User is able to create an account and log in with it | | |
| Failed End Condition | User is unable to create an account | | |
| Primary Actors | User | | |
| Secondary Actors | Smart Phone | | |
| Trigger | User clicks on Create Account button in User Login page | | |
| DESCRIPTION | | Step | Action |
| | | 1 | User enters username and password |
| | | 2 | User clicks submit |
| | | 3 | Server verifies and saves user credentials |
| | | 4 | Server sends verification message |
| | | 5 | User verifies account |

| | **5** | Open Lobby |
|---|---|---|
| **EXTENSIONS** | **Step** | **Branching Action** |
| | **2a** | If username and fields are not filled in, display an error |
| | **3a** | If there is no internet connection, display an error |
| | **3b** | If user credentials are not validated, Display an error |
| | **4a** | Display button for user to send verification message again |
| **SUB-EXTENSIONS** | **Step** | **Branching Action** |
| | **3a.1** | Go to step 1 |
| | **4a.1** | Go to step 1 |
| | **4b.1** | Go to step 1 |
| **Due Date** | 11/13/2017 | |
| **Superordinates** | User Login | |
| **Subordinates** | Lobby | |
| **AUTHOR** | Daniel Kim / Mario Lopez / Jared Coleman | |
| **Create date** | 10/30/2017 | |

| USE CASE | Lobby | |
|---|---|---|
| **Goal in Context** | The user is able to view all nearby and available documents and rooms | |
| **Scope & Level** | System, User | |
| **Preconditions** | The user has logged in with a valid account | |
| **Success End Condition** | User is able to visualize and interact with all nearby and available documents | |
| **Failed End Condition** | User is unable to visualize and/or interact with all nearby and available documents | |
| **Primary Actors** | User | |
| **Secondary Actors** | Smart Phone | |
| **Trigger** | User logs in, or clicks on lobby in the hamburger menu | |
| **DESCRIPTION** | **Step** | **Action** |
| | 1 | User enters page |
| | 2 | Server calculates and returns all available documents |
| | 3 | Application displays all available documents |
| | 4 | User can scroll through all available documents |
| **EXTENSIONS** | **Step** | **Branching Action** |

| | 2a | If there are no available documents/rooms, display a message |
|---|---|---|
| | 2b | If there is no internet connection or location services, display an error |
| **Due Date** | 11/13/2017 | |
| **Superordinates** | User Login/Create Account | |
| **Subordinates** | Map, Document, Room | |
| **AUTHOR** | Daniel Kim / Mario Lopez / Jared Coleman | |
| **Create date** | 10/30/2017 | |

| USE CASE | Document | |
|---|---|---|
| **Goal in Context** | Provide an interface for a selected, available document | |
| **Scope & Level** | System, User | |
| **Preconditions** | None | |
| **Success End Condition** | The user able to visualize and interact with an available document | |
| **Failed End Condition** | The user is unable to visualize and/or interact with available documents<br>The user is able to visualize and/or interact with documents that should not be available | |
| **Primary Actors** | User | |
| **Secondary Actors** | Smart Phone | |
| **Trigger** | User selects a document in Lobby or Map pages | |
| **DESCRIPTION** | **Step** | **Action** |
| | 1 | Get document information from server |
| | 2 | Display document information and comment information |
| | 3 | Constantly verify that document is still available |
| **EXTENSIONS** | **Step** | **Branching Action** |
| | 1a | If server cannot find document, display an error |

| | | |
|---|---|---|
| | **1b** | If there is no internet connection, display an error |
| | **2a** | If user selects comment section, go to comment use-case |
| | **2b** | If user selects rating section, go to rate use-case |
| | **3a** | If document becomes unavailable go to Lobby page |
| **Due Date** | 11/13/2017 | |
| **Superordinates** | Lobby, Map | |
| **Subordinates** | Comment, Rate | |
| **AUTHOR** | Daniel Kim / Mario Lopez / Jared Coleman | |
| **Create date** | 10/30/2017 | |

| USE CASE | Comment | | |
|---|---|---|---|
| **Goal in Context** | Provide an interface for a user to comment on an item | | |
| **Scope & Level** | System, User | | |
| **Preconditions** | None | | |
| **Success End Condition** | The user is unable to post a comment | | |
| **Failed End Condition** | The user is able to post a comment | | |
| **Primary Actors** | User | | |
| **Secondary Actors** | Smart Phone | | |
| **Trigger** | Open application | | |
| **DESCRIPTION** | **Step** | **Action** | |
| | 1 | User clicks on a comment box or reply button | |
| | 2 | The user fills out the text box | |
| | 3 | User clicks submit | |
| | 4 | Server stores comment | |
| | 5 | Refresh page to display new comment | |

| EXTENSIONS | Step | Branching Action |
|---|---|---|
| | **3a** | If text box isn't not filled in, display an error |
| | **4a** | If there is no internet connection, display an error |
| **Due Date** | 11/13/2017 | |
| **Superordinates** | Document | |
| **Subordinates** | None | |
| **AUTHOR** | Daniel Kim / Mario Lopez / Jared Coleman | |
| **Create date** | 11/01/2017 | |

| USE CASE | Download | |
|---|---|---|
| **Goal in Context** | Allow the user to download a file from the server and a designated location | |
| **Scope & Level** | System, User | |
| **Preconditions** | Arrive at the location for the specified file and attempt to download a file | |
| **Success End Condition** | Be able to download the file and store it in the phone's external storage | |
| **Failed End Condition** | The user is not able to download the file | |
| **Primary Actors** | User | |
| **Secondary Actors** | Smart Phone | |
| **Trigger** | Download the file from a room | |
| **DESCRIPTION** | **Step** | **Action** |
| | 1 | User selects a document inside of a room from the lobby |
| | 2 | User chooses to download the document |
| | 3 | The application begins to download the document |
| | 4 | The document is placed in the user's File Downloads folder |
| **EXTENSIONS** | **Step** | **Branching Action** |

| | 3a | The document does begin to download due to connection errors |
|---|---|---|
| **Due Date** | 11/13/2017 | |
| **Superordinates** | Lobby, Room | |
| **Subordinates** | None | |
| **AUTHOR** | Daniel Kim / Mario Lopez / Jared Coleman | |
| **Create date** | 10/30/2017 | |

| USE CASE | Upload a File | | |
|---|---|---|---|
| **Goal in Context** | Allow the user to upload a file based on their location | | |
| **Scope & Level** | System, User | | |
| **Preconditions** | User has to be in the application's lobby | | |
| **Success End Condition** | User is able to upload the selected file to the location they currently are at | | |
| **Failed End Condition** | Use is unable to upload the file | | |
| **Primary Actors** | User | | |
| **Secondary Actors** | Smart Phone | | |
| **Trigger** | User presses on the icon located on the application's app bar to upload a file | | |
| **DESCRIPTION** | **Step** | **Action** | |
| | 1 | User is asked if the application is able to read the files located on their phones | |
| | 2 | User grants access to the application's read permission | |
| | 3 | The application moves to the user's folders or gallery | |
| | 4 | The user chooses a file from their folders or gallery to upload | |
| | 5 | The user is taken back to the application | |

| | | |
|---|---|---|
| | **6** | The user confirms their selection |
| | **7** | The file is uploaded to the database |
| **EXTENSIONS** | **Step** | **Branching Action** |
| | **2a** | User does not grant access to the application's read permission |
| | **2b** | The application displays an error message that it is unable to upload the file to the server |
| | **4a** | The user cancels the action to choose a file |
| | **4b** | Go to Lobby Use Case |
| | **6a** | The user chooses to deny their selection |
| | **6b** | The application removes the chosen file and allows the user to choose to go back to their gallery/folders |
| **Due Date** | 11/13/2017 | |
| **Superordinates** | Lobby | |
| **Subordinates** | None | |
| **AUTHOR** | Daniel Kim / Mario Lopez / Jared Coleman | |
| **Create date** | 10/30/2017 | |

| USE CASE | Navigation Bar | |
|---|---|---|
| **Goal in Context** | To be able to use the navigation button on the navigation bar | |
| **Scope & Level** | System, User | |
| **Preconditions** | User is in the lobby screen | |
| **Success End Condition** | User is able to successfully navigate through the application | |
| **Failed End Condition** | User is unable to navigate the application when an option is pressed | |
| **Primary Actors** | User | |
| **Secondary Actors** | Smart Phone | |
| **Trigger** | User slides their finger from the left edge of the screen to the right or they press the hamburger icon | |
| **DESCRIPTION** | **Step** | **Action** |
| | 1 | User selects to move to an activity in the application whether it is Settings, Help, or Map View |
| | 2 | User is taken to the chosen activity |
| **EXTENSIONS** | **Step** | **Branching Action** |
| | 2a | Move to chosen activity section: Map View, Settings, Or Help |

| | |
|---|---|
| **Due Date** | 11/13/2017 |
| **Superordinates** | Lobby |
| **Subordinates** | Settings, Help |
| **AUTHOR** | Daniel Kim / Mario Lopez / Jared Coleman |
| **Create date** | 10/30/2017 |

| USE CASE | Settings | |
|---|---|---|
| **Goal in Context** | Successfully change application settings | |
| **Scope & Level** | System, User | |
| **Preconditions** | User moves to the Settings activity | |
| **Success End Condition** | User is able to successfully modify the application's settings | |
| **Failed End Condition** | User is unable to modify settings | |
| **Primary Actors** | User | |
| **Secondary Actors** | Smart Phone | |
| **Trigger** | User clicks on certain application settings criteria | |
| **DESCRIPTION** | **Step** | **Action** |
| | 1 | User chooses to update their username |
| | 2 | User chooses to update their password |
| | 3 | User chooses to update their email |
| | 4 | User chooses to update their name |
| | 5 | User chooses to upload a new profile picture |

|  | 6 | User chooses to update their download settings |
|  | 7 | User chooses to update their push notifications settings |
| **EXTENSIONS** | **Step** | **Branching Action** |
|  | **1a** | Username is available and changed |
|  | **2a** | The updated password passes the integrity check and is successfully updated in the database |
|  | **3a** | Verification email is sent to the user and is successfully verified |
|  | **3b** | The email is successfully updated |
|  | **4a** | Name is successfully updated |
|  | **5a** | The application asks for permission if it does not have Read permissions |
|  | **5b** | User gets sent to their gallery to choose a picture |
|  | **5c** | User chooses a picture |
|  | **5d** | The profile picture is updated. |
|  | **6a** | Download settings get updated |
|  | **7a** | Push notifications settings updated |
| **SUB-EXTENSIONS** | **Step** | **Branching Action** |

| | | |
|---|---|---|
| | **1a.1** | User name is not available and a message is displayed to the user of its unavailability |
| | **2a.1** | The updated password fails the integrity check and a message is displayed to the user |
| | **3a.1** | The email does not get verified and the email stays the same |
| **Due Date** | 11/13/2017 | |
| **Superordinates** | Navigation Bar | |
| **Subordinates** | None | |
| **AUTHOR** | Mario Lopez / Jared Coleman / Daniel Kim | |
| **Create date** | 10/30/2017 | |

| USE CASE | Help | |
|---|---|---|
| Goal in Context | Be able to access the help interface | |
| Scope & Level | System, User | |
| Preconditions | User chooses to arrive at the help activity through the navigation bar | |
| Success End Condition | User is able to find the necessary help | |
| Failed End Condition | User is unable to find help | |
| Primary Actors | User | |
| Secondary Actors | Smart Phone | |
| Trigger | User chooses the necessary help options | |
| DESCRIPTION | Step | Action |
| | 1 | User chooses a tutorial video |
| | 2 | User clicks on the FAQ list |
| | 3 | User chooses to send a message |
| EXTENSIONS | Step | Branching Action |
| | 1a | A video begins to play that demonstrates how to use the application |

| | | |
|---|---|---|
| | **2a** | FAQ list expands and the user is able to see all of the necessary help |
| | **3a** | The edit text box allows the user to send a message |
| | **3b** | User presses send |
| | **3c** | Message get sent to the development team |
| **Due Date** | 11/13/2017 | |
| **Superordinates** | Navigation Bar | |
| **Subordinates** | None | |
| **AUTHOR** | Mario Lopez / Daniel Kim / Jared Lopez | |
| **Create date** | 10/30/2017 | |

| USE CASE | Room | |
|---|---|---|
| **Goal in Context** | Provide an interface to view and interact with documents in a given room | |
| **Scope & Level** | System, User | |
| **Preconditions** | The room should be available to the user (the user meets all requirements to enter room) | |
| **Success End Condition** | Users are able to visualize and interact with documents in an available room | |
| **Failed End Condition** | Users are unable to visualize and/or interact with documents in an available room Users are able to visualize and/or interact with documents in a room that should not be available to them | |
| **Primary Actors** | User | |
| **Secondary Actors** | Smart Phone | |
| **Trigger** | User clicks on a room in the lobby | |
| **DESCRIPTION** | **Step** | **Action** |
| | 1 | Query Server for all documents in a room |
| | 2 | Display all documents in the room |
| **EXTENSIONS** | **Step** | **Branching Action** |
| | 1a | If there is no internet connection, display an error |

| Due Date | 11/13/2017 |
|---|---|
| Superordinates | Lobby |
| Subordinates | Documents |
| AUTHOR | Daniel Kim / Mario Lopez / Jared Coleman |
| Create date | 11/1/2017 |

| USE CASE | Map View |
|---|---|
| **Goal in Context** | User is able to go to the application's map view and view the file clusters available in a location |
| **Scope & Level** | System, User |
| **Preconditions** | User must have an account within the application and has tapped on the Map View Icon |
| **Success End Condition** | Users are able to view and understand the information displayed in the map |
| **Failed End Condition** | Users are unable to view the information displayed in the map |
| **Primary Actors** | User |
| **Secondary Actors** | Smart Phone |
| **Trigger** | User taps on the Map View Icon |

| DESCRIPTION | Step | Action |
|---|---|---|
| | **1** | User Arrives in Map View Activity |
| | **2** | User Clicks on an Item located on the map and the application reacts based on the item clicked |

| **Due Date** | 11/13/2017 |
|---|---|
| **Superordinates** | Lobby |

| Subordinates | None |
|---|---|
| **AUTHOR** | Daniel Kim / Mario Lopez / Jared Coleman |
| **Create date** | 11/1/2017 |

| USE CASE | Rate File | | |
|---|---|---|---|
| **Goal in Context** | The user is able to give a rating to a particular file | | |
| **Scope & Level** | System, User | | |
| **Preconditions** | User navigates to the rating interface | | |
| **Success End Condition** | User rates a file | | |
| **Failed End Condition** | User is unable to rate a file | | |
| **Primary Actors** | User | | |
| **Secondary Actors** | Smart Phone | | |
| **Trigger** | User locates the rating arrows of the file and presses on either one | | |
| **DESCRIPTION** | **Step** | **Action** | |
| | **1** | Up arrow is pressed | |
| | **2** | Down arrow is pressed | |
| **EXTENSIONS** | **Step** | **Branching Action** | |
| | **1a** | The total rating counter is increased by one | |
| | **2a** | The total rating counter is decreased by one | |

| Due Date | 11/13/2017 |
|---|---|
| Superordinates | Document |
| Subordinates | None |
| AUTHOR | Daniel Kim / Mario Lopez / Jared Coleman |
| Create date | 11/1/2017 |

| USE CASE | Website Login | |
|---|---|---|
| **Goal in Context** | To allow the user to access their personal resources online | |
| **Scope & Level** | System, User | |
| **Preconditions** | The user must have an account already to be able to login to the website | |
| **Success End Condition** | The user is able to arrive and interact with their personalized web page | |
| **Failed End Condition** | The user is unable to login although their account is already created | |
| **Primary Actors** | User | |
| **Secondary Actors** | Computer | |
| **Trigger** | The user clicks on the login button to access their user page | |
| **DESCRIPTION** | **Step** | **Action** |
| | 1 | Type the URL associated to the application to arrive at the proper webpage |
| | 2 | The user clicks on the Login/Sign Up button located on the header of the webpage |
| | 3 | The user arrives at the Login page and types their username and password |
| | 4 | The webpage accepts the username and password and sends the user to their associated user page |

| EXTENSIONS | Step | Branching Action |
|---|---|---|
| | 3a | The user clicks on the facebook or google buttons to alternatively login with their facebook or google accounts |
| | 3b | Move to step 4 |
| | 4a | The user is unable to access their web page because of a mismatch or an account that is not created |
| | 4b | The webpage tells the user that the email and password combination is not found or that the account does not exist |

| Due Date | 11/13/2017 |
|---|---|

| Superordinates | None |
|---|---|

| Subordinates | Download File, Upload File |
|---|---|

| AUTHOR | Daniel Kim / Mario Lopez / Jared Coleman |
|---|---|

| Create date | 11/01/2017 |
|---|---|

| USE CASE | Webpage Account Creation | |
|---|---|---|
| **Goal in Context** | To allow the user to create an account associated with the application | |
| **Scope & Level** | System, User | |
| **Preconditions** | The user clicks on the create account button located on the login/sign up page | |
| **Success End Condition** | The user is able to successfully create an account | |
| **Failed End Condition** | The user is unable to successfully create an account although he has passed every criteria | |
| **Primary Actors** | User | |
| **Secondary Actors** | Computer | |
| **Trigger** | The user clicks on the create an account button and chooses to create an account associated with the application | |
| **DESCRIPTION** | **Step** | **Action** |
| | 1 | The user clicks on the sign up button to create an account |
| | 2 | The user correctly inputs their information in the correct fields |
| | 3 | The user's information is verified and accepted |
| | 4 | The user's information is then added into the database |
| | 5 | The user is then moved into their appropriate user page |

| EXTENSIONS | Step | Branching Action |
|---|---|---|
| | 3a | The user's information is invalid due to one or multiple reasons |
| | 3b | The user is then notified about the invalidity of their information |
| Due Date | 11/13/2017 | |
| Superordinates | None | |
| Subordinates | Download File, Upload File | |
| AUTHOR | Daniel Kim / Mario Lopez / Jared Coleman | |
| Create date | 11/01/2017 | |

| USE CASE | Website File Downloading | |
|---|---|---|
| **Goal in Context** | The user is able to successfully download a file that has been put on hold from the application | |
| **Scope & Level** | System, User | |
| **Preconditions** | The user assigns a file to be on hold from their application | |
| **Success End Condition** | The user is able to successfully download the file that has been put on hold from their associated account in the application | |
| **Failed End Condition** | The user is unable to download the file that has been put on hold for any reason | |
| **Primary Actors** | User | |
| **Secondary Actors** | Computer | |
| **Trigger** | The user chooses to download a file that has been put on hold | |
| **DESCRIPTION** | **Step** | **Action** |
| | 1 | The user accesses their user page |
| | 2 | The user clicks on a file link |
| | 3 | The file begins to be automatically downloaded from the database to the computer |
| **Due Date** | 11/13/2017 | |

| | |
|---|---|
| **Superordinates** | Website Account Creation, Website Login |
| **Subordinates** | None |
| **AUTHOR** | Daniel Kim / Mario Lopez / Jared Coleman |
| **Create date** | 11/01/2017 |

| USE CASE | Website File Uploading | |
|---|---|---|
| **Goal in Context** | The user is able to successfully upload a file into the database to be accessed by their application at any moment | |
| **Scope & Level** | System, User | |
| **Preconditions** | The user already has an account associated with the application | |
| **Success End Condition** | The user is able to successfully upload a file located on their computer's hard drive to the database | |
| **Failed End Condition** | The user is unable to upload the specific file from their computer's hard drive to the database | |
| **Primary Actors** | User | |
| **Secondary Actors** | Computer | |
| **Trigger** | The user wishes to and chooses to share a file that is located on their computer's hard drive and not on their smart phone | |
| DESCRIPTION | **Step** | **Action** |
| | 1 | The user enters the user page if they are already logged in |
| | 2 | The user drags and drops a file to the web page |
| | 3 | The file gets added to the database |
| **EXTENSIONS** | **Step** | **Branching Action** |

| | 2a | The user can also choose to click on the + icon located on the left hand side of the website |
|---|---|---|
| | 2b | A window opens to allow the user to choose a file to upload to the database |

| **Due Date** | 11/13/2017 |
|---|---|
| **Superordinates** | Website Account Creation, Website Login |
| **Subordinates** | None |
| **AUTHOR** | Daniel Kim / Mario Lopez / Jared Coleman |
| **Create date** | 11/01/2017 |