

CAPSTONE – LID: Use Cases db/web framework

Version 1.1

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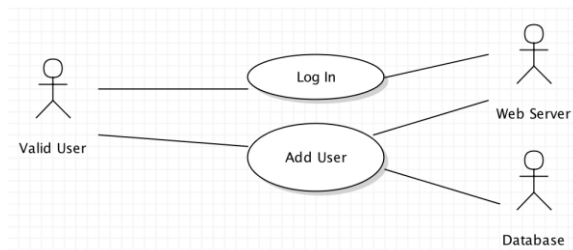
Version History

Version #	Revision Date	Responsible Party	Reason
1.0	27 February, 2017	Jessica Blasch	Initial compilation of source document
1.1	04 March, 2017	Jessica Blasch	Revision to create simpler use cases

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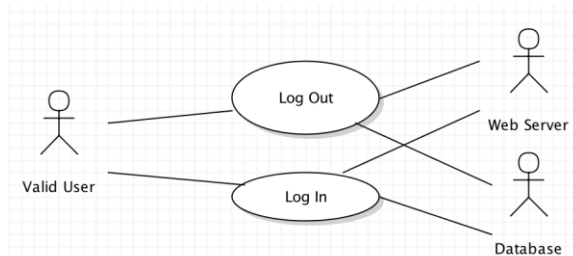
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Access the System: Logging in



Use Case	Log in
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (owner, admin, or manager) logs in to the system. The web server will prompt the user for their log-in information. If they are not a valid user, the system will not allow them access past the log-in page. If they are a valid user, they will be directed to the 'Add User' page view. The ability to make a new user an owner, admin, or manager will be made available depending on the user's status. (e.g. If owner, display options for make owner, admin, or manager. If admin <i>only</i> display 'make manager' . If manager, <i>do not</i> display options to make owner, admin, or manager.)
Stimulus	User logs in to system.
Response	Verify user is a valid user and their status. If valid, trigger appropriate 'Add User' page view with respect to the user's credentials

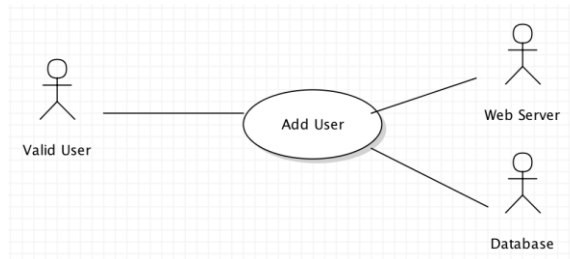
Exit the System: Logging Out



Use Case	Log Out
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (owner, admin, or manager) is in the system and wants to log out. When the user selects the 'Log Out' button, the web server will redirect to the 'Log In' page view.
Stimulus	User selects 'Log Out' button.
Response	Trigger 'Log In' page view.

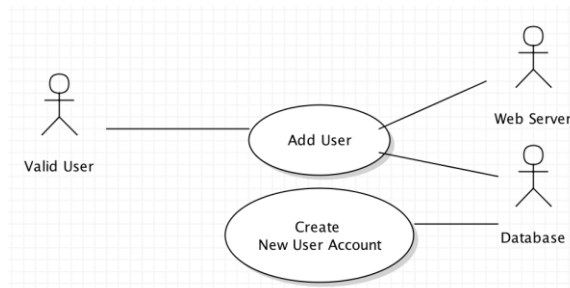
Add a New User

Navigating to the 'Add User' Page



Use Case	Display 'Add User' Page View
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) must navigate to the 'Add User' page view from another page view by selecting the 'Add User' button. Upon selecting the 'Add User' button, the web server will redirect to the 'Add User' page view.
Stimulus	User selects 'Add User' button.
Response	Trigger 'Add User' page view.

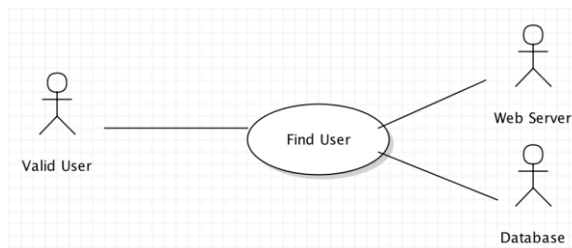
Saving a New User Entry



Use Case	Save New User Entry
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at the 'Add User' page view. The user may then fill in information in editable fields for a new user account and save it as a new entry in the database.
Stimulus	User selects 'Save' button.
Response	Verify all fields are correctly filled out. Save as new user account entry in database.

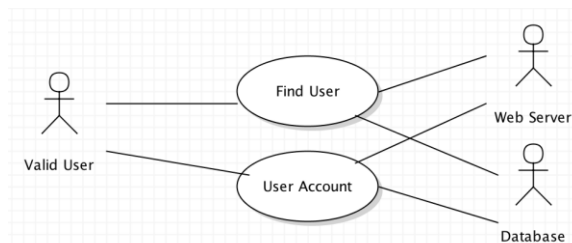
Search for a User

Navigating to the 'Find User' Page



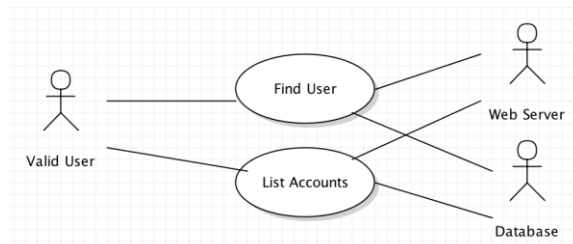
Use Case	Display 'Find User' Page
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) navigates to the 'Find User' page view by selecting the 'Find User' button.
Stimulus	User selects 'Find User' button.
Response	Trigger 'Find User' page view.

Searching for a User with Name –AND– I.D.



Use Case	Search User Account with Name –AND– I.D.
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at the 'Find User' page view. If the user enters the name <i>and</i> badge I.D. that matches an entry in the database, when they select the 'search' button, they will be directed to the specific account page for that user.
Stimulus	User selects 'Search' button.
Response	Verify all fields match a database entry. If valid, trigger 'User Account' page view.

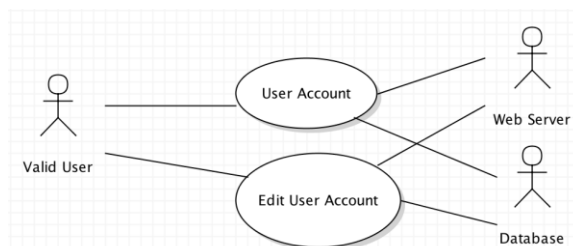
Searching for a User with Name –OR– I.D.



Use Case	Search User Account with Name –OR– I.D.
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at the 'Find User' page view. If the user does not enter all fields (name and badge I.D.) or does not enter a name <i>and</i> badge I.D. that matches an entry in the database, when they select the 'search' button, they will be directed to a list of users and badge I.D.s with fields that match any of the fields searched for. The user may then write down the information they need and search again using the 'Find User' button.
Stimulus	User selects 'Search' button.
Response	Verify all fields match a database entry. If not valid, trigger 'List Accounts' page view of user accounts with fields that match search criteria.

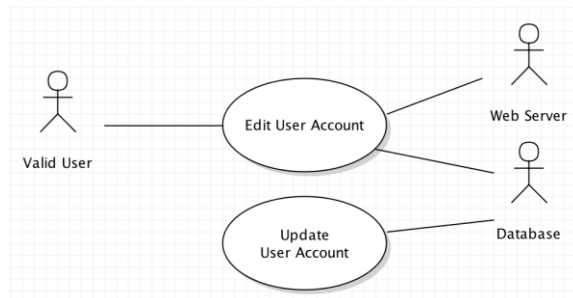
Edit a User Account

Navigating to an Editable User Account



Use Case	View Editable User Account
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at a specific 'User Account' page view. If the user selects the 'Edit' button, they will be redirected to an 'Edit User Account' page view with editable fields for the user searched.
Stimulus	User selects 'Edit' button.
Response	Trigger 'Edit User Account' page view.

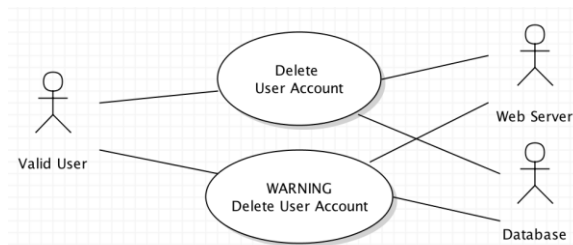
Saving User Account Edits



Use Case	Save User Account Edits
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at the 'Edit User Account' page view. From this page, the user can edit fields of a user account including status as an owner, admin or manager if they have appropriate credentials. (e.g. If owner, display options for make owner, admin, or manager. If admin <i>only</i> display 'make manager' . If manager, <i>do not</i> display options to make owner, admin, or manager.)
Stimulus	User selects 'Save' button.
Response	Verify all fields are correctly filled out. Save edits for account entry in database.

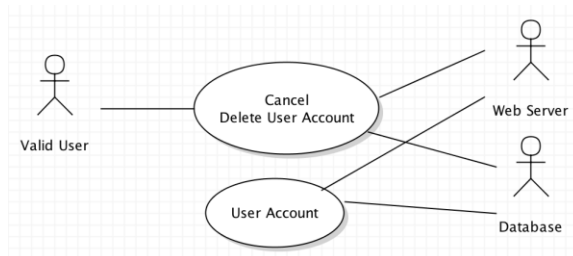
Delete a User Account

Navigating to Delete User Account



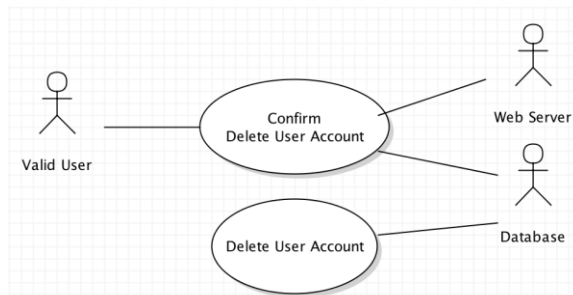
Use Case	Begin Delete User Account
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at a specific 'User Account' page view. If the user selects the 'Delete' button, they will be redirected to a 'Warning' page view to confirm or cancel deletion.
Stimulus	User selects 'Delete' button.
Response	Trigger 'Warning' page view.

Canceling User Account Deletion



Use Case	Cancel Delete User Account
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at the 'Warning' page view, before account deletion. If the user selects the 'Cancel' button, they will be redirected back to the specific 'User Account' page view.
Stimulus	User selects 'Cancel' button.
Response	Trigger 'User Account' page view.

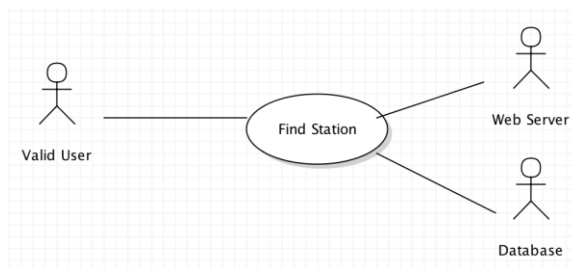
Confirming User Account Deletion



Use Case	Confirm Delete User Account
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at the 'Warning' page view, before account deletion. If the user selects the 'Confirm' button, the entry will be removed from the database and the user will be redirected to a 'Delete Confirmation' page view which will confirm the deletion has occurred.
Stimulus	User selects 'Confirm' button.
Response	Delete user account entry in the database. Trigger 'Delete Confirmation' page view.

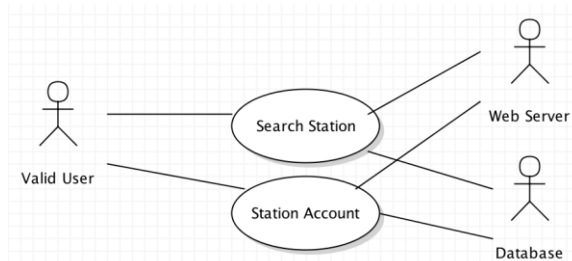
Search for a Station

Navigating to the 'Find Station' Page



Use Case	Display 'Find Station' Page
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) navigates to the 'Find Station' page view by selecting the 'Find Station' button.
Stimulus	User selects 'Find Station' button.
Response	Trigger 'Find Station' page view.

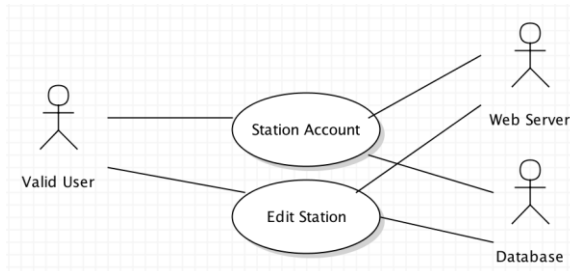
Searching for a Station



Use Case	Search for a Station
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at the 'Find Station' page view. At this page view, the user can enter in the I.D. of the station they wish to look up. After selecting the 'search' button, the web server will verify the I.D. matches an entry in the database and redirect the user to a page view of the station's information.
Stimulus	User selects 'Search' button.
Response	Verify I.D. matches a database entry. Trigger 'Station Account' view.

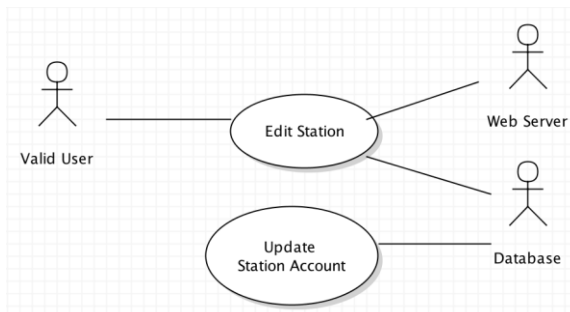
Edit a Station

Navigating to an Editable Station View



Use Case	Go to Editable Station View
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at a station account page view. After selecting the 'edit' button, the web server will redirect them to an editable page view of the station's information.
Stimulus	User selects 'Edit' button.
Response	Trigger 'Edit Station' page view.

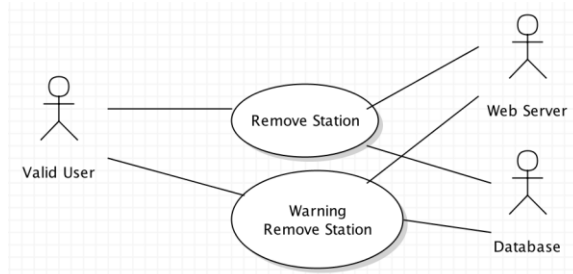
Saving Station Edits



Use Case	Save Station Edits
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at the editable station account page view. After selecting the 'save' button, the information will be updated and stored in the database.
Stimulus	User selects 'Save' button.
Response	Update station account in database.

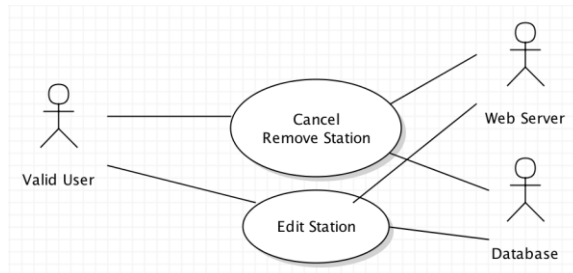
Delete a Station

Removing a Station



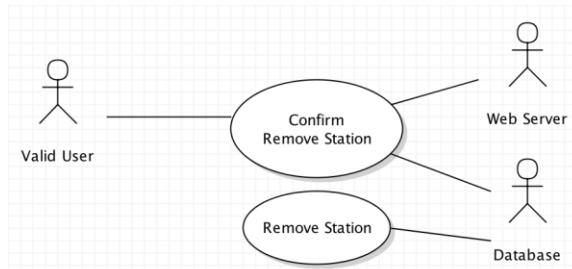
Use Case	Remove a Station
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at a station account page view. If the user selects the 'Remove Station' button, they will be redirected to a 'Warning' page view where they can cancel or confirm the data entry deletion.
Stimulus	User selects 'Remove Station' button.
Response	Trigger 'Warning' page view.

Cancelling Station Deletion



Use Case	Cancel Station Removal
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at the 'Warning' page view for station removal. If the user selects the 'Cancel' button, they will be redirected to a 'Editable Account' page view as though they had selected 'Edit' from the station account page view. From there, the user may select save and continue.
Stimulus	User selects 'Cancel' button.
Response	Trigger 'Edit Station' page view.

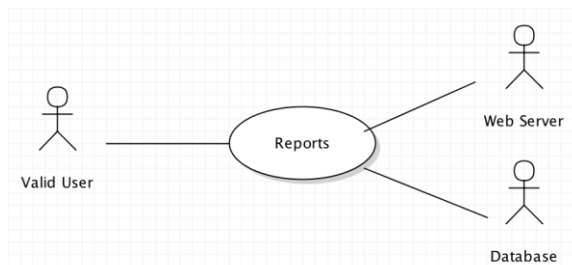
Confirming Station Deletion



Use Case	Confirm Station Removal
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at the 'Warning' page view. If the user selects the 'Confirm' button, the station entry will be deleted from the database and the user will be redirected to a page view showing the station has been removed.
Stimulus	User selects 'Confirm' button.
Response	Delete station account entry in the database.

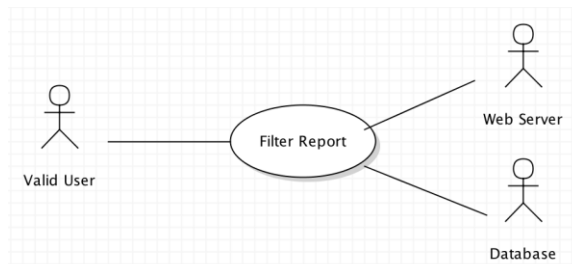
Running Reports

Running a General Report



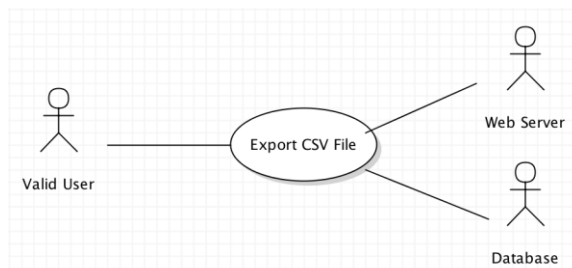
Use Case	Run a General Report
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) selects the 'Reports' button from the sidebar. The web server will redirect to a general 'Report' page view that displays all tracked data.
Stimulus	User selects 'Reports' button.
Response	Trigger 'Report' page view.

Running Filtered Reports



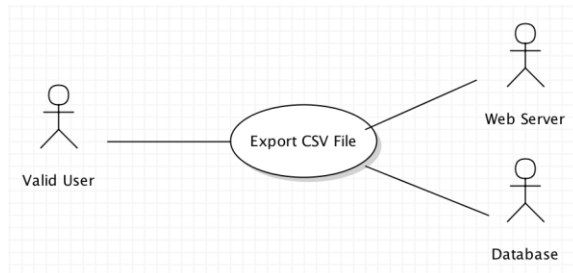
Use Case	Run a Filtered Report
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at the general 'Report' page view that displays all tracked data. The user may select filter options to pare down the data displayed
Stimulus	User selects 'Filter' button.
Response	Verify filter selections and match to database entries. Trigger 'Filter Report' page view.

Navigating Report Pages



Use Case	Navigate Report Pages
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at the either the general 'Report' page view or "Filter Report" page view. If the user selects one of the buttons for the pages of data in the report, the webserver will redirect to the page view for that part of the report data.
Stimulus	User selects 'page number' button.
Response	Verify the number selected. Trigger page view for that section of the report data.

Export Report as CSV File



Use Case	Export Report as CSV file
Actors	Valid user, Web server, Database
Description	This use-case occurs when a valid user (manager, admin, or owner) is at the either the general 'Report' page view or "Filter Report" page view. If the user selects the 'Export as CSV' button, the data being displayed will be exported as a CSV file.
Stimulus	User selects 'Export as CSV' button.
Response	Export data as CSV file.