

GeauxPark User Stories

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User Story 1 (Commuter)

- The user clicks the phone application to open it
- The application begins to load and greets the user with GeauxPark logo
- Application completes loading, and displays parking map
- The university parking map will display current real time total parking spaces available per lot.
- If the user clicks on a specific parking lot the app will provide an enlarged view of the section with the current parking availability data.
- The user will be able to view the following information for the current lot: Spaces Available, Max Spaces Available, Permit Types allowed, and Time Window for lot.
- If the user clicks the enlarged view again, the image will reduce back to its original size with the view of the entire parking available
- When a parking lot is at full capacity the “available parking spaces” display will be replaced with the phrase “No Spaces Available”.
- Once the user is finished with the application they may press the home button on their device to close the application.

User Story 2 (Owner/Administration)

- The user clicks the phone application to open it
- The application begins to load and greets the user with GeauxPark logo
- Application completes loading, and displays parking map
- If the user clicks the menu button, a drop down appears for administration login
- User enters credentials and clicks login
- Application refreshes window with new page for administrative controls
- The window displays tabs for: notifications, edit database, edit parking
- If the user clicks tab “Notifications” the page will open a window for all notifications

- Notifications that may appear are: Invalid Commuter or Error LPR camera system.
- If the user clicks “Invalid Commuter”, a window will appear with screenshot of vehicle with License plate, time stamp, and parking section the vehicle was detected at.
- If the user clicks “Error LPR camera system”, a window will appear with which LPR camera is at fault, parking lot location, and the time stamp of the notification received.
- If user wishes to return to page with administrative controls they may click the back button in the top left
- If user clicks “edit data base” a new window appears showing list of current commuters information, a button for import users, and a button for delete users.
- If user clicks button “import users” the user is prompted to manually enter new commuter or import list of commuters via CSV file.
- If user chooses to import commuters manually, a window will pop up prompting user for first name, last name, vehicle information, permit number, email and phone number.
- Once user has complete input for all fields then the user will proceed to click the button on the window labeled submit.
- If any field for new commuter is invalid an error message will appear stating what input field requires attention.
- Once a new commuter is successfully added, the window will refresh with the new commuter added to the current database list.
- If user chooses to import using CSV file, a window will appear prompting user to select a CSV file.
- User selects CSV file to import into GeauxPark system.
- If incorrect file type is selected for import, an error message will appear stating “Invalid File Type” and prompt user to select another file.
- User successfully imports CSV list of commuters, GeauxPark automatically formats data to input fields in database.
- Database proceeds to update and refresh list of current commuters.
- If user selects “Delete Commuters” a window will appear with two buttons labeled “Select Commuters” or “Delete All”.
- If user selects “Select Commuters” the database will appear with list of commuters and a check box next to each individual.

- User will proceed to select the specified individuals they wish to delete from the GeauxPark system.
- Once complete, user will select “Confirm Delete” button in top right corner of the window.
- Database will remove all users selected, update current list, and refresh window to reflect the changes done.
- If user selects “Delete All” button the GeauxPark system will prompt the user to confirm or cancel the action to delete all commuters in system.
- User selects “Confirm” button.
- GeauxPark Database executes command and removes all commuters currently stored in database.
- If User selects “Cancel” button, system closes prompt window and no action occurs.
- If User wants to return to administrative controls, they select the back button in the top left corner of the window.
- User selects “Edit Parking” button
- System displays area parking map with window stating “Please select area you wish to edit”
- User selects specific parking lot and a window appears with following options: Edit Total Spaces, Close Parking Lot, Set Parking Lot Access, or Set Time Window.
- User selects “Edit Total Spaces”
- System prompts user with window stating “Enter Max Spots Available”.
- User enters value for maximum spots available.
- System logs value and updates specified parking lot with new maximum spot value for everyone.
- User selects “Close Parking Lot” and a “Parking lot closed until further notice” message will pop up across the map/ parking lot.
- User selects “Set Parking Lot Access” and a window will pop up with a prompt for the user to select which parking permits are allowed.
- User selects the parking permits and clicks submit.
- User selects “Set Time Window”
- System prompts user with “Start” and “End” input boxes for user to place time values.

- User inputs values for “Start” and “End” and proceeds to click “submit” button in bottom right of window.
- System logs information and updates selected parking lot with times only specified permits may park there.
- After user is finished, they may click the menu button in the top left corner of the window.
- A drop down menu appears with a “Log Out” button.
- User selects “Log Out” button and the page is refreshed to the original landing page with the parking lot map that all users may view.
- Once the user is finished with the application they may press the home button on their device to close the application.