

CS336 - Project Proposal

Team #17 - Benjamin Ker / Muhammed Elsayed / Carl Guan

Web Screens offered:

- Login
- Sign-up
- Driver Dashboard
- Student Dashboard
- Administrator/System Support Dashboard
- Inbox
- Leaderboard

Login and Sign-up

The diagram illustrates the layout of two web screens: a Login screen and a Sign Up screen. Numbered callouts (1-17) identify specific UI elements.

Login Screen:

- 1: Username input field
- 2: Password input field
- 3: Link text "Not registered? Sign up here"
- 4: "Ok" button
- 5: "Cancel" button

Sign Up Screen:

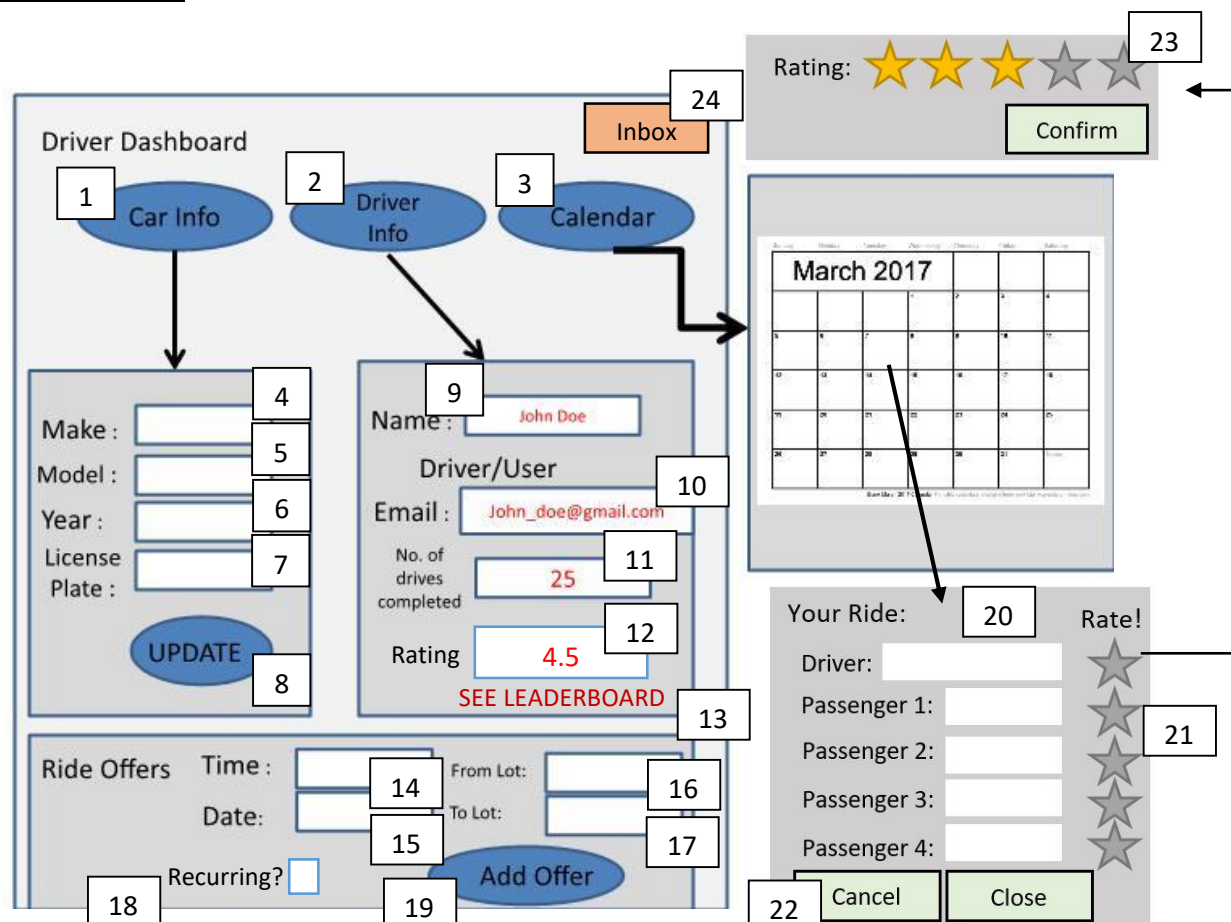
- 6: Full Name input field
- 7: Password input field
- 8: Email Address input field
- 9: Address input field
- 10: Username input field
- 11: Confirm Password input field
- 12: Phone Number input field
- 13: City input field
- 14: Zip input field
- 15: Radio button for "Passenger" account type
- 16: "Ok" button
- 17: "Cancel" button

Additional elements on the Sign Up screen include "Type of Account:" with radio buttons for "Driver" and "Both", and a "Sign Up" title.

Users first arrive at the login page when accessing our website. They can enter their username [1], password [2], and then confirm [4]. A user can also cancel [5] logging in if we decide in the future that the login is not the default page, where it would then take them back to the main page. If the user does not already have an account, they can click 'here' [3] and be redirected to the sign-up page.

Here, they can enter relevant details, such as name, password, email address, etc. [6-14]. This is also where they set their type of account - driver, passenger, or both [15]. This determines whether they have access to the driver/passenger dashboards. After submitting [16], a confirmation email is sent to the user (or denied if not an RU email) and they are taken to dashboard page, or back to the login page if they cancelled [17].

Driver Dashboard



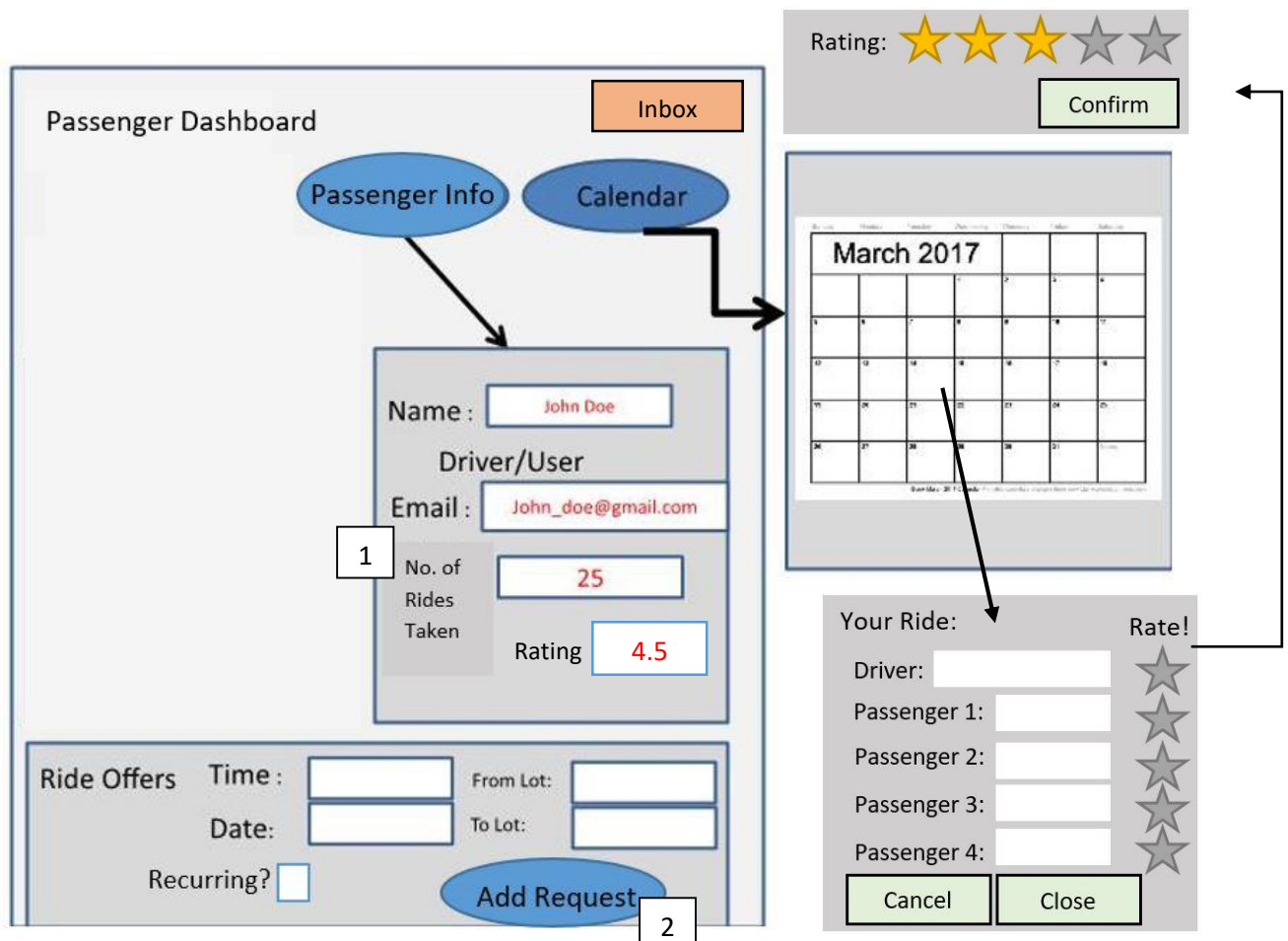
Once signed in, the user is redirected to the driver dashboard if registered as a driver. Here, the user can choose to edit their car info [1], view personal driver info [2], or view the monthly calendar [3]. They can also access their inbox to view or compose messages [24]. In the car info section, the user is allowed to update their car information, such as make [4], model [5], year [6], and license plate number [7]. For user accessibility, we plan on creating a car database that suggests car models for auto-completion as the user types in their information. These changes are then pushed to the ride-sharing car database when the user hits update [8].

The user can also view their driver information, such as their name [9], email [10], number of drive completed to date [11], and rating [12]. This information is also made available to the administrator for data collection. They can also access the leaderboard [13] that will show how their statistics compare to other drivers.

Lastly, the driver can add ride offers from this screen in which they will be prompted to enter a time [14], date [15], departure lot # [16], destination lot # [17], and whether or not this is recurring [18]. This information will be added to the database to be matched up with potential users on the same campus looking for a ride that matches the driver's criteria. If the ride is matched both the driver and user will get confirmation emails as well an update in their calendar showing the newly scheduled ride. When the driver presses 'Add Offer' [19], an advertisement pop-up will be created.

The calendar will list all the rides that are currently scheduled for the driver. The user can also go into the details of each ride, such as the names of the driver/passengers [20]. From here, it is possible to cancel the ride [22] if needed (too many times might lead to restrictions). Users can also rate [23] their drivers/passengers after each ride (button to open rating window [21] is locked such that a passenger cannot rate another passenger).

Passenger Dashboard



The passenger dashboard is very similar to the driver dashboard, but with a few differences. The passenger info section now displays number of rides taken [1]. In addition, while driver offers are strictly kept to the same lot, passenger requests may match with nearby lots on the same campus. For example, if the passenger requests Lot 100 on Livingston campus, the system may match the passenger with a driver at Lot 101 or the next closest lot. Once again, an advertisement pop-up is created when the passenger hits 'Add Request' [2].

Administrator/System Support Dashboard

The screenshot shows the Administrator/System Support Dashboard with the following components and numbered callouts:

- 13**: Inbox button at the top right.
- 1**: User search input field with a blue arrow pointing to a drop-down menu.
- 2**: Action buttons: Ban/Unban and Reset Password.
- 3**: Confirm button for the user search.
- 4**: Add New button for the advertisement section.
- 5**: User input field for the Create Support Account section.
- 6**: Total Rides Made by ... dropdown menu.
- 7**: Origin dropdown menu.
- 8**: Destination dropdown menu.
- 9**: Time period selection buttons: Today, Week, Month, Semester, Year, All-Time.
- 10**: Query input field.
- 11**: Run button for the query.
- 12**: Reset button for the query.

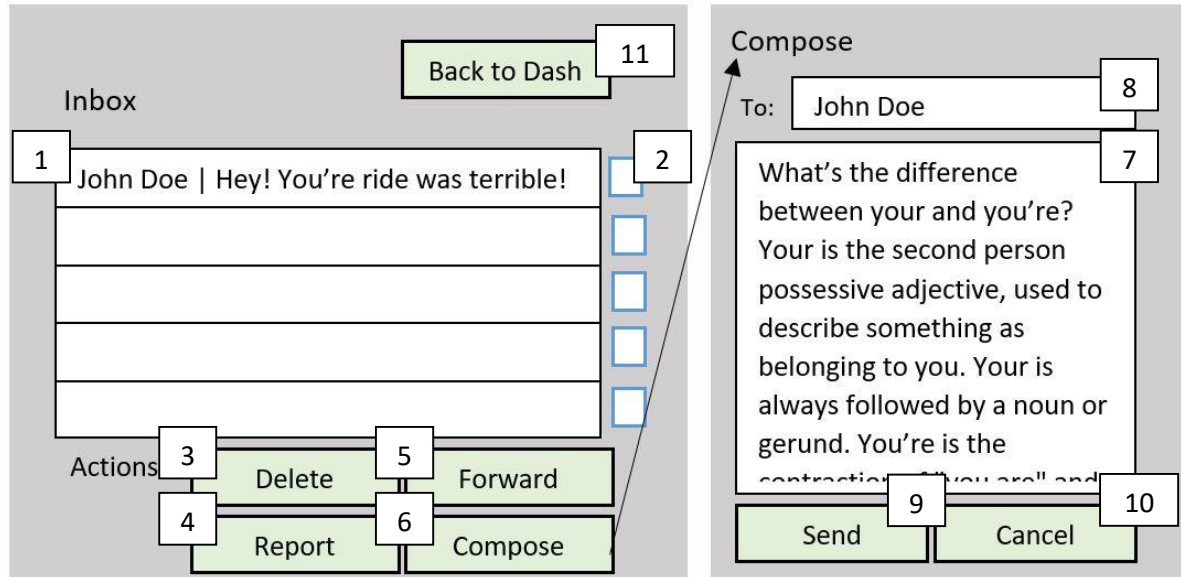
Here is the dashboard for administrative use. The boxes that have dotted bordered are shown only for the administrator. Here, one can search for a user by typing which will show suggested matches in a drop-down box [1]. Once the user is found, their name may be displayed in red/blue indicating their ban status. The admin/support can choose to ban/unban, or reset password [2]. In the advertisement section, a list of ads can be chosen from [3], or a new ad can be created [4].

If one is an admin, they can create an account for system support users [5]. They can also access statistics. In [6], they can choose a specific user's statistics, or 'everyone'. Similarly, the origin [7] and destination [8] can be specified to a campus/lot or 'any'. The resulting statistics are then shown in the next 6 boxes [9].

The administrator can also create a query [10] and run it [11] or reset the box [12].

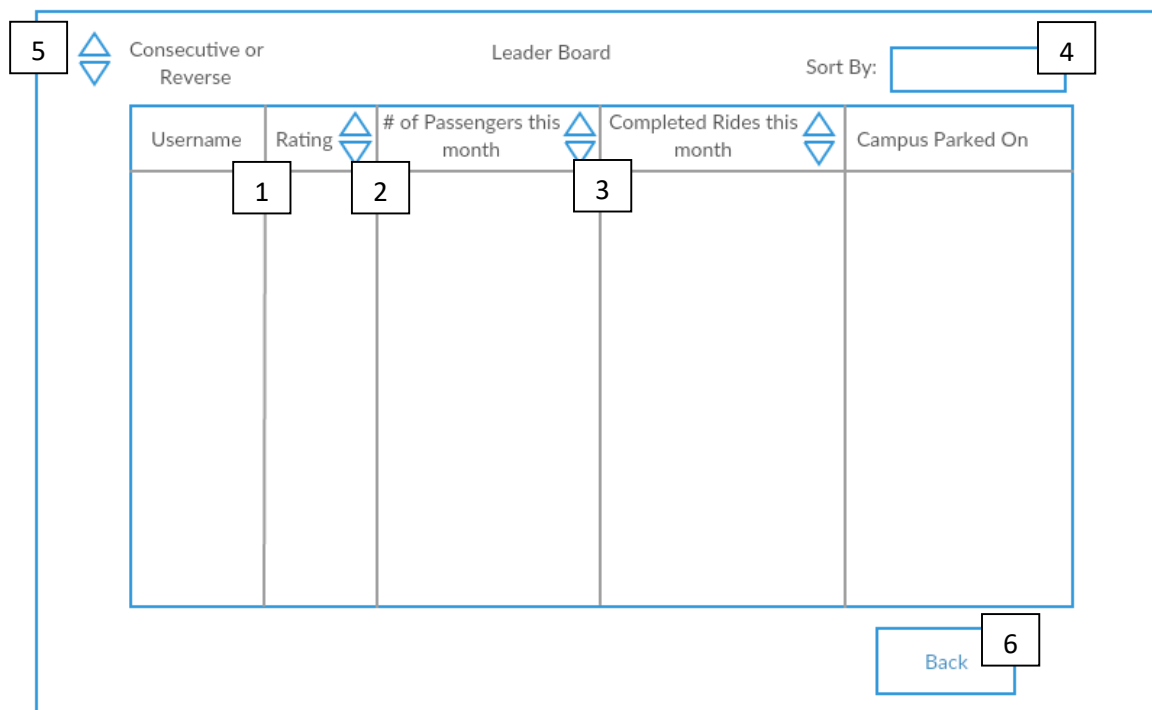
The inbox is also accessible by administrators/support [13].

Inbox



The inbox is similar for all users (drivers, passengers, administrator, system support). A list of messages is shown [1], as well as checkboxes [2] next to each one. Once a message is checked, several actions can be made, such as delete [3], report [4], and forward [5]. A user can also enter a window [6] where they can compose messages [7] to a specific user [8]. When finished, it can be sent [9] or cancelled [10]. When the user is finished, they can return to their dashboard [11].

Leaderboard



The leaderboard is accessed from the dashboard as seen before. It resets each month automatically, and lists drivers by username [1], rating [2], the number of passengers [2] they have transported in the current month [3], etc. A user can check which driver leads in which category by entering that category into the 'Sort by' box [4]. They can also reverse the column's order to see drivers with the lowest in that category [5]. When finished, the user can return back to the dashboard [6].