REVISED PROJECT PROPOSAL

RE:Arrow - AN ARROWS EXPRESS SHUTTLE RESERVATION SYSTEM

Reservation system for the use of shuttles going from De La Salle University Laguna campus (Biñan) to De La Salle University-Manila(Taft) campus and vice versa. To utilize the web application, a user account is required. There are three account types: on-site staff (admin), and students. The features available to each user are discussed below

UNIVERSAL FEATURES (All Users)

Log-in and Log-out
Once the user obtains an account, they may log in to the web application and log-out. The features that would be presented to the user depends on the type of account that they are using.

View Shuttle Schedule availabilities
All account types can see the Arrow express' trip schedule for a specific date going from Laguna to Manila and vice versa. In each trip schedule, the number of available seats is visible. The website would only be presenting days where the Arrow express service is available, which is during a weekday.

Change Password
All users can change their passwords. When changing passwords, whatever the user inputs will be encrypted. This is to provide more security for their accounts.

STUDENT FEATURES

Reserve
Both Students can reserve slots that have not yet been taken by other users. When it is 15 minutes before the departure time, the reservation slot will be closed and no reservations will be accepted at this point. A student may reserve up to a maximum of 2 slots in a single day.   They may not have 2 slots that are coming both from Laguna or both from Manila on the same day.

Cancel reservation
Users can remove their reservations at any time before their departure date and time. Doing this does not deduct reputation points.

View reservations
A user may see the status of their reservations. They can see details such as the date and time of reservation, date and time of the reserved slot, the departure location, and the arrival location.

Look for available slots

Users can see all the free slots given a provided date and time of the preferred reservation slot, and the departure location.

Register
A student can visit the web application and create an account. The information needed in creating the account is the student's DLSU email, full name, ID number, and password. After creating the account, the student must verify their email for them to be able to utilize the account.

Reputation Points
Students have a point-based system called reputation points. Students will initially start at 100 reputation points upon registration. The reputation points can decrease by 10 each time the student fails to show up 5 minutes before the time-slot that the student reserved. When the number of points reaches zero, the user will no longer have the ability to reserve and their account will be suspended for 30 days before their points will reset to 100.

ADMIN FEATURES

Check-in
On-site staff can check-in students that have reserved as soon as they have appeared on-site. The student would be presenting their ID to the on-site staff. The on-site staff would then input the ID number to the web application to complete the check-in.

General
User-friendly experience. Visual design is pleasing to the eyes and calming to the mind. Users can interact with an interface that has easy to locate buttons for ease of navigation. Well laid out details about the user itineraries for faster look-up. Fast registration that includes only necessary information (Note: in-case of emergency during travel and for insurance purposes to be held liable by De La Salle University). Organized account types for each type of user whether it may be student or staff.

The overall design fits the purpose and aesthetics

needed for the functionalities of the website, as well as, is coherent and consistent throughout the website.

Removed Features
- Removal of Professors to the user Type and all the features that it brings
- Removal of Staff having the option to remove reservation of students 5 minutes before their departure
  - Will be changed to an automatic service where students will be automatically removed 5 minutes before their departure