



North South University

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Department of Electrical and Computer Engineering (ECE)

CSE311-Database Management System

Project Proposal

Project Title: NSU Shuttle

Group-06

Submitted By

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NSU Shuttle

Objectives and Features: This project was created to provide a solution to the aforementioned issue. It intends to make it easier for students and faculty to attend classes without having to worry about transportation the following day. The NSU Shuttle Service provides all necessary information, such as bus routes with pick-up and drop-off places along the route, vehicles and drivers utilized, and shuttle arrival and departure times, all in one area. It will also compute and display the total cost of using the NSU shuttle on that specific day from their desired pick-up or drop-off sites to or from the campus. These expenses will be automatically added to the semester fees, which can be paid at the end of the semester or at the beginning of the semester.

To access this program, simply log in to the website with your NSU ID and password, just like you do for the NSU RDS. This procedure applies to all students, instructors, and staff who wish to use the service. As soon as the individual logs in, they will be able to see all of the above-mentioned routes and related information in the database (previous paragraph). Following that, the user can choose their preferred pick-up and drop-off locations. As soon as they do this, the system will automatically compute and display the entire cost of the voyage to the user.

The admin can see all user logins as well as the number of users booking the service, the number of buses and drivers available on that day, and add more vehicles or drivers if necessary on the back end. The administrator's primary responsibility will be to maintain the program, update information as needed (such as changes in route or halt times), and resolve any faults or lags in the system.

Project Plan:

Welcome Page: This page will have 3 buttons: "Sign Up", "Sign in" and "Admin Login"

Account Home: This will contain 2 pages.

The first page (as soon as the user logs in) will contain all of the information in a database, such as the route travelled, pick-up and drop-off points, departure and arrival timings, and vehicle and driver information.

The second page will provide the total cost of the journey, which the user can confirm by clicking the "OK" button on that page. When the user clicks on the button, the message "The booking has been confirmed" appears.

Admin: Keep track of user logins and total reservations. Check the availability of buses and drivers. If necessary, add new vehicles or drivers. Keep the software updated. Change the information as necessary. Resolve any system bugs or latencies.

Language and Frameworks:

- HTML
- CSS
- PHP
- MySQL

Editor and Version Controlling:

- VSCode
- Git and Github

Git Repository Link: https://github.com/R-emon/NSU_Shuttle