Term Project Proposal

Our Web App: "Travel Buddies"

Problem:
There's no one application that serves all the transportation needs and desires of RPI students.
Students would ideally prefer sharing the cost of transportation (like carpooling).
Students may wish to travel together, whether it be by plane, train, or automobile.

Solution:
A web application that compiles a student's travel plans by destination, time, and type of travel, and gives them a corresponding list of options (which are provided by other RPI students that input their travel plans ahead of time).

→ Can organize information according to …
- desiring a "travel buddy"
- the destination meet up spot
- the type of travel
- the time of departure and/or arrival
- how many students are traveling together
- travel expenses (willing to share costs?)

→ A "travel buddy" is not just someone you carpool with--- it is someone from RPI that you carpool with. A "travel buddy" gives students an option for not traveling alone.
→ "Travel buddies" will have to create a basic profile in order for the application to read your data/information for searching
- Profile can include the student's major, classes they have taken and when, hobbies, etc.
- "Travel Buddies" will then be able to match students who have possibly had the same class at the same time.
- Contact details

→ A typical "travel buddy option" that appears after a search would be very specific
- Specific fields of input like Destination, Type of Travel, Time of Departure/Arrival, Travel Expenses
- Optional and mandatory fields
- Phone number, email, address

→ Could integrate calendars
→ Can help students traveling at similar times to decide on type of travel by viewing other student's traveling at the same time

Primary area:
HTML/CSS/graphics for page layout and design

→ Designing the pages to show different travel options for students
→ Designing a homepage

Secondary area:
Pull static data from a data file e.g. JSON or XML (or both)
→ Profile information submitted by students that stays the same on the app