

Team Members:

Joshua Heroldt

Bernard Fay

Nolan Slimp

Asma Gesalla

Matthew Medley

Indrajeet Roy

Siddharth Rana

Required Skill Sets for Your Project:

- 1. Database skills**
- 2. API Skills**
- 3. Web development skills**
- 4. Mobile application development skills**
- 5. Inter process communication**
- 6. Program efficiency skills**

Enumerating more on the specific requirements for this project:

- Develop a matching algorithm that either falls under the classical or evolutionary approach to solving a vehicle routing problem
- Ability to work with front end applications to develop a web application as well as a mobile application
- Database skills that allow for multiple tables to be modified and accessed in real time
- API skills in order to get real-time traffic data from a city in the United States
- Some manor of connection between the applications and the developed algorithm in order to issue real-time notifications to multiple parties that might be using the app
- Making the UI intuitive for multiple types of users

Skill Sets Covered by the Team:

1. Database skills
 - a. Nolan Slimp
 - b. Siddharth Rana
 - c. Matthew Medley
2. API Skills
 - a. Joshua Heroldt
 - b. Siddharth Rana
 - c. Matthew Medley
3. Web development skills
 - a. Joshua Heroldt
 - b. Nolan Slimp
 - c. Matthew Medley
4. Mobile application development skills
 - a. Joshua Heroldt
5. Inter process communication
 - a. Indrajeet Roy
 - b. Asma Gesalla
6. Program efficiency skills
 - a. Joshua Heroldt

Project role preferences (Mobile,Web,API,Algorithm dev, databases)

Bold is highest preference:

Joshua Heroldt: **Web app**

Bernard Fay: Algorithm dev, API, databases

Nolan Slimp: backend or **web app**

Asma Gesalla: Database, API

Matthew Medley: **Web app**, API, databases

Indrajeet Roy: Mobile, API, Algorithm dev

Siddharth Rana: API, Database, Algorithm

Project Management Style Adopted by the Team:

The team will be using a scrum management style that is an offshoot of the typical agile methodology. This is because we want to emphasize the importance of regular

communication with the team in order to make sure everyone knows the status and problems related to the project. This way if any team member is stuck it will allow for an easy way for other group members to offer advice and help to anyone if their skill sets match the problem currently being faced by the team. This will work especially well for our group seeing how many different subteams will need to be created to work on the various different aspects of the project.

Initial Project Management Roles (e.g., team organization, client interaction, individual component design, testing, scrum master, database management, team website manager, main documentor, ect.):

- Joshua Heroldt
 - Team organization
 - Client interaction
- Bernard Fay
 - Database management
 - Meeting Scribe
- Nolan Slimp
 - Scrum Master
- Asma Gesalla
 - Backend documentor
- Matthew Medley
 - Team Website Manager
 - Frontend architecture design
- Indrajeet Roy
 - Frontend documentor
- Siddharth Rana
 - Individual component design