Team 22 Project Charter

Team Members:

Dayu Liu, Tao Li, Xingyu Wang, Xianglai Miao, Yujing Wu

Problem Statement:

A visualized tracking system can help customers to know their packages' locations on the move. Current package tracking services provided by main logistics companies such as UPS, Fedex only show text-based information.

Project Objectives:

- Build a web app that allows customers of delivery service companies track their packages.
- Upload the latest locations of packages to the database automatically.
- Allow users to track their packages by a visualized tracking system.
- Allow users to see the package delivery routes on the map.
- Allow users to receive the most timely package delivery information.
- Allow users to see the estimated delivery time of the package.
- Allow users to see the urgency classes of their packages.

Stakeholders:

- Team leader: Wang, Xingyu
- Group Members:
  Dayu Liu, Tao Li, Xingyu Wang, Xianglai Miao, Yujing Wu

- Project Sponsor: Purdue University
- Type of Users: Customers of delivery service companies who want to track their packages

Project Deliverables:

- Node.js framework for the back end that will serve user requests and manage data.
- vue.js based front end web application that will allow users to keep track of packages.
- A MySQL that manages to store all critical package data and write flexible database query algorithms to implement effective package search system
- Mocha as test framework for Node.js programs, asynchronous testing, test coverage reports.
- Chai as assertion library for Node.js and it pairs with Mocha test framework easily.