

## Data Structures used for College Tour Project

**Team:** Go Big O Go Home

**Members:** Matt Jang, Angaar Hamid, Suqi Hu, Lamson Bui

- A vector was used to store information regarding the colleges that a student picks for the trip. The vector modeled the structure of a Deque where colleges could be inserted/removed from the front or the back
  - `QVector<QString> selectedCollegesVector; // vector to store selected colleges`
- Although not a fundamental data structure, a database was used to contain information regarding each college such as the distance from a particular college to another, as well as the souvenirs and their corresponding prices for each college. SQL was used to interact with the database and obtain/modify necessary information. A database manager object was created to call on methods to acquire the essential information needed.
  - `DBManager databaseObj;`