

Description of Database Project System Design

Team 5: Yuanfeng Li, Yanjie Niu

Business Problem: How Park and Ride facilities in the Puget Sound region have been utilized from 2002 - 20019

Database: Park and Ride Database

Introduction: The database has data on approximately 220 park-and-ride lot locations in the Puget Sound region. It includes the name and address of the park-and-ride, yearly capacity, occupancy and utilization rates, and the data source for each of the locations surveyed.

Topic Selection:

Park and ride facilities are a great option for people who have a long commute, don't live near a transit route, or need a convenient place to meet their vanpool or carpool. To understand more about park-and-ride lots utilization status through the lens of relational database management would help us have more insights into data and think about how to further help Seattle improve its traffic system.

Background of Team Members:

Yuanfeng Li (Jacky Li):

Yuanfeng is a first year MSIM student who wants to learn how to design and implement a highly efficient database.

Yanjie Niu:

Yanjie has a multidisciplinary background and hopes to connect the fields of social science and science, business and technology. She is committed to contributing her knowledge and skills to applied fields and helping the society. As we know Seattle is facing traffic challenges, to utilize our knowledge of relational database management systems to understand more about how Park and Ride facilities have been used to lessen traffic issues is super important. It could help us know the status quo and further develop how to improve the services provided by Park and Ride facilities and then help resolve traffic challenges in Seattle.

