Detailed Design Document

Section 2.1:

Project Description:

The project is about creating a database of car sales information of a car dealership company. It includes salespersons, unique employee ID, customer name and details, car make and model, type of car, and many other details that are usually included with car buying.

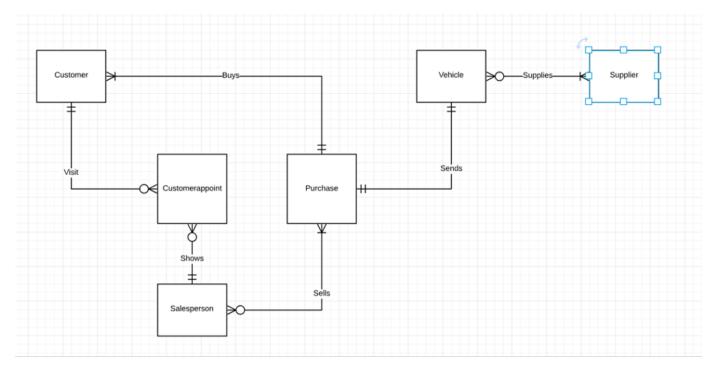
Project Management Style: Agile Project Management methodology will be used to complete this project. Kanban and Scrum tools will also be utilized to increase the efficiency of completing the project.

Potential Users: Car Dealers are the potential users of the database

Section 2.2:

- 2.2 System Features and Requirements
 - 2.2.1 Functional Requirements
- 2.2.1.1 As a user, I want a search engine feature in the database so that I can access the database.
- 2.2.1.2 As a user, I want to input, delete or archive data so that I can fully operate the database
- 2.2.2 User Interface Requirements
- 2.2.2.2 As a builder, I want the Back-end software used to be AWS, so that I can utilize the free database services
- 2.2.2.3 As a builder, I want the Database software user PostgreSQL, so that I can easily integrate AWS with the inbuilt capability
 - 2.2.3 Hardware Interface Requirements
- 2.2.3.1 As a user, I want the database to be interface with both Mac and Windows operating system through their default web browser, so that I can access database through any PC running windows or mac
 - 2.2.4 System Features
- 2.2.3.1 As a user, I want the database to be able to store 10,000 distinct data points, so that I can store large no. of car sales data
- 2.2.3.2 As a user, I want the database to easily load and be usable within 3 seconds, so that I do not have to wait while accessing the database
- 2.2.3.3 As a user, I want the database to be normalized, so that it prevents redundant data and improve performance.
- 2.2.3.4 As a user, I want the database to be distributed, so that it to prevent outages
- 2.2.3.6 As a user, I want the database to be backed up hourly, so that I will not lose any data

Section 2.3

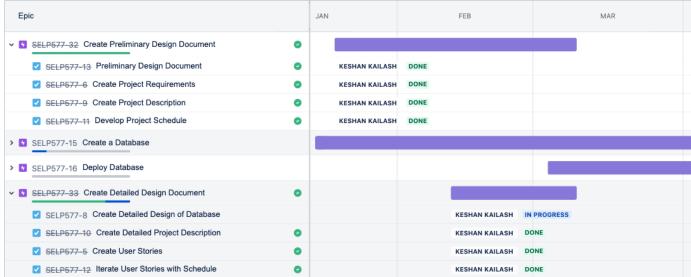


Project Description: As stated our project will revolve around a basic car dealership database. The data will most likely flow as show below. We will be started with a build of car purchases and may expand to services based on how long it takes us to design the schema.

MVP – We want a database that employees can semi interact with but still have to query through with SQL, at this point our relationships would be developed, but we still would need to pull more customer data and set up some complex queries.

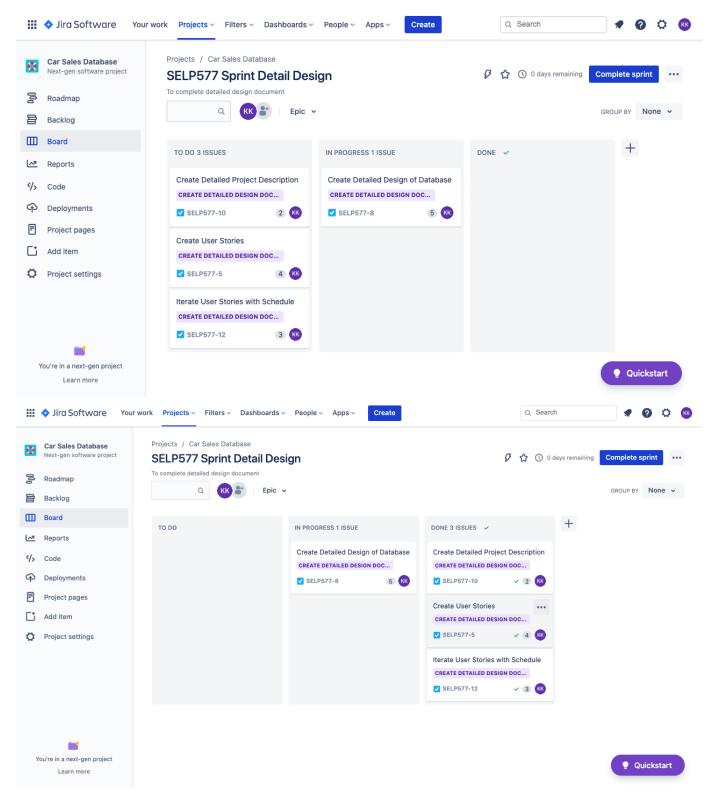
Section 2.4

Detailed Roadmap with User stories and Story Points are created in the Roadmap

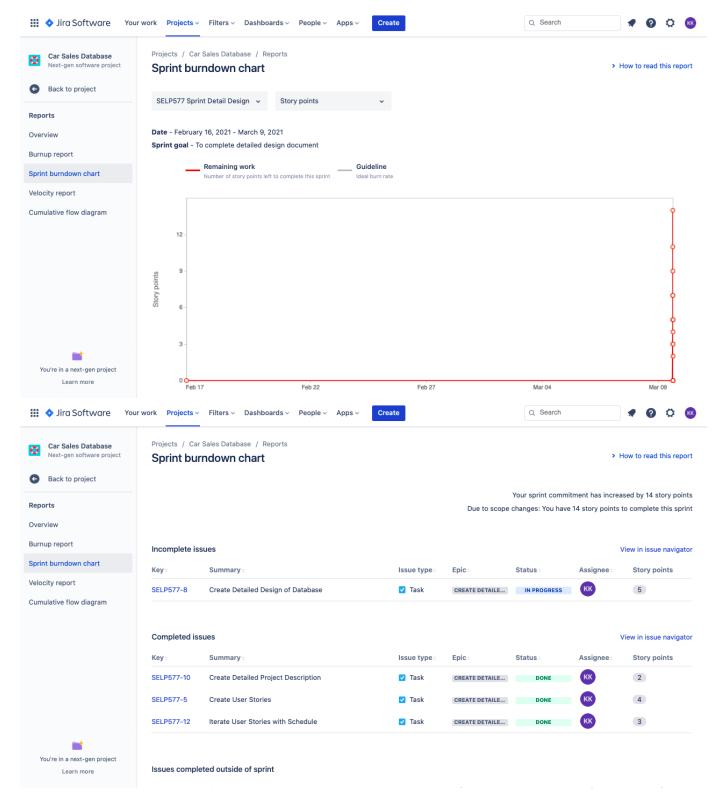


Section 2.5

Current Project Status is shown on Kanban Board



Burn-down Chart



Backlog

