

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

Jira Software

Your work

Projects

Filters

Dashboards

People

Apps

Create

Search

Car Sales Database

Next-gen software project

Roadmap

Backlog

Board

Reports

Code

Deployments

Project pages

Add item

Project settings

You're in a next-gen project

Learn more

Projects / Car Sales Database

SELP577 Sprint Detail Design

To complete detailed design document

KK

Epic

0 days remaining

Complete sprint

GROUP BY: None

TO DO 3 ISSUES

IN PROGRESS 1 ISSUE

DONE

Quickstart

Create Detailed Project Description

CREATE DETAILED DESIGN DOC...

SELP577-10

2

KK

Create Detailed Design of Database

CREATE DETAILED DESIGN DOC...

SELP577-8

5

KK

Create User Stories

CREATE DETAILED DESIGN DOC...

SELP577-5

4

KK

Iterate User Stories with Schedule

CREATE DETAILED DESIGN DOC...

SELP577-12

3

KK

Jira Software

Your work

Projects

Filters

Dashboards

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TO DO

IN PROGRESS 1 ISSUE

DONE 3 ISSUES

Quickstart

Create Detailed Design of Database

CREATE DETAILED DESIGN DOC...

SELP577-8

5

KK

Create Detailed Project Description

CREATE DETAILED DESIGN DOC...

SELP577-10

2

KK

Create User Stories

CREATE DETAILED DESIGN DOC...

SELP577-5

4

KK

Iterate User Stories with Schedule

CREATE DETAILED DESIGN DOC...

SELP577-12

3

KK

Burn-down Chart

The image is a screenshot of the Jira mobile application interface. At the top, there's a header for the 'Car Sales Database' project, described as a 'Next-gen software project'. Below this is a navigation bar with a back arrow icon and the text 'Back to project'. The main content area is titled 'Reports' and lists several report types: 'Overview', 'Burnup report', 'Sprint burndown chart' (which is highlighted with a blue background), 'Velocity report', and 'Cumulative flow diagram'. At the bottom of the screen, there is a purple square icon with a yellow star, followed by the text 'You're in a next-gen project' and a 'Learn more' link.

[Projects](#) / [Car Sales Database](#) / [Reports](#)

Sprint burndown chart

➤ [How to read this report](#)

SELP577 Sprint Detail Design ▾

Story points

Date - February 16, 2021 - March 9, 2021

Sprint goal - To complete detailed design document



The image is a screenshot of a Jira project page for 'Car Sales Database'. At the top, there's a project icon (a blue square with four red dots) followed by the project name 'Car Sales Database' and the subtitle 'Next-gen software project'. Below this is a 'Back to project' button with a circular arrow icon. A horizontal line separates this header from the 'Reports' section. The 'Reports' section contains several links: 'Overview', 'Burnup report', 'Sprint burndown chart' (which is highlighted with a light blue background), 'Velocity report', and 'Cumulative flow diagram'. At the bottom of the page, there's a message 'You're in a next-gen project' accompanied by a purple square icon with a yellow star, and a 'Learn more' link.

[Projects](#) / [Car Sales Database](#) / [Reports](#)



Sprint burndown chart

➤ [How to read this report](#)

Your sprint commitment has increased by 14 story points
Due to scope changes: You have 14 story points to complete this sprint

Incomplete issues

[View in issue navigator](#)

Key :	Summary :	Issue type :	Epic :	Status :	Assignee :	Story points
SELP577-8	Create Detailed Design of Database	 Task	CREATE DETAILE...	IN PROGRESS		5

Completed issues

[View in issue navigator](#)

Key :	Summary :	Issue type :	Epic :	Status :	Assignee :	Story points
SELP577-10	Create Detailed Project Description	Task	CREATE DETAILE...	DONE	KK	2
SELP577-5	Create User Stories	Task	CREATE DETAILE...	DONE	KK	4
SELP577-12	Iterate User Stories with Schedule	Task	CREATE DETAILE...	DONE	KK	3

Issues completed outside of sprint

Backlog

Car Sales Database

Next-gen software project

- Roadmap
- Backlog
- Board
- Reports
- Code
- Deployments
- Project pages
- Add item
- Project settings

You're in a next-gen project

Learn more

Projects / Car Sales Database

Backlog

KK

Epic

Backlog (12 issues)

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Create sprint

<input checked="" type="checkbox"/>	SELP577-14	Create Database		KK
<input checked="" type="checkbox"/>	SELP577-31	As a user, I want to input, delete or archive data so that I can fully operate the database	CREATE A DATABASE	KK
<input checked="" type="checkbox"/>	SELP577-30	As a user, I want a search engine feature in the database so that I can access the datab...	CREATE A DATABASE	KK
<input checked="" type="checkbox"/>	SELP577-19	As a user, I want the database to be interface with both Mac and Windows operating system...	CREATE A DATABASE	KK
<input checked="" type="checkbox"/>	SELP577-20	As a user, I want the database to be able to store 10,000 distinct data points, so that I can s...	CREATE A DATABASE	KK
<input checked="" type="checkbox"/>	SELP577-21	As a user, I want the database to easily load and be usable within 3 seconds, so that I do not...	CREATE A DATABASE	KK
<input checked="" type="checkbox"/>	SELP577-22	As a user, I want the database to be normalized, so that it prevents redundant data and impr...	CREATE A DATABASE	KK
<input checked="" type="checkbox"/>	SELP577-23	As a user, I want the database to be distributed, so that it to prevent outages	CREATE A DATABASE	KK
<input checked="" type="checkbox"/>	SELP577-24	As a user, I want the database to be backed up hourly, so that I will not lose any data	CREATE A DATABASE	KK
<input checked="" type="checkbox"/>	SELP577-27	Deploy Database		
<input checked="" type="checkbox"/>	SELP577-28	As a builder, I want the Back-end software used to be AWS, so that I can utilize the free datab...	DEPLOY D	
<input checked="" type="checkbox"/>	SELP577-29	As a builder, I want the Database software user PostgreSQL, so that I can easily integrate AW...	DEPLOY DATABASE	KK

Quickstart

https://agileselp577.atlassian.net/browse/SELP577-30