

Deliverable #2

SE 3A04: Software Design II – Large System Design

Tutorial Number: T03

Group Number: G8

Group Members:

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- Jaden Moore
- James Ariache
- Olivia Reich
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IMPORTANT NOTES

- Please document any non-standard notations that you may have used
 - *Rule of Thumb*: if you feel there is any doubt surrounding the meaning of your notations, document them
- Some diagrams may be difficult to fit into one page
 - Ensure that the text is readable when printed, or when viewed at 100% on a regular laptop-sized screen.
 - If you need to break a diagram onto multiple pages, please adopt a system of doing so and thoroughly explain how it can be reconnected from one page to the next; if you are unsure about this, please ask about it
- Please submit the latest version of Deliverable 1 with Deliverable 2
 - Indicate any changes you made.
- If you do NOT have a Division of Labour sheet, your deliverable will NOT be marked

1 Introduction

1.1 Purpose

This document provides a high-level overview of the RideRecon car identification system architecture, including high-level design considerations of the system and design consideration for various subsystems. This document is intended for internal RideRecon stakeholders, including but not limited to, project managers, developers, domain experts, and RideRecon team members/investors.

Note that RideRecon Deliverable 1 should be read before Deliverable 2, and technical knowledge may be beneficial in better understanding this document's contents.

1.2 System Description

Give a brief description of the system. This could be a paragraph or two to give some context to this document.

1.3 Overview

Describe what the rest of the document contains and explain how the document is organised (e.g. "In Section 2 we discuss...in Section 3...").

2 Analysis Class Diagram

This section should provide an analysis class diagram for your application.

3 Architectural Design

This section should provide an overview of the overall architectural design of your application. Your overall architecture should show the division of the system into subsystems with high cohesion and low coupling.

3.1 System Architecture

- Identify and explain the overall architecture of your system
- Be sure to clearly state the name of the architecture you used (this is the name of the architectural pattern, not the name of your system)
- Provide the reasoning and justification of the choice of architecture
- Provide a structural architecture diagram showing the relationship among the subsystems (if appropriate)
- List any design alternatives you considered, but eliminated (and explain why you eliminated them)

3.2 Subsystems

Provide a list of your subsystems, with a brief description of each. Be sure to document its purpose and relationship to other subsystems.

4 Class Responsibility Collaboration (CRC) Cards

This section should contain all of your CRC cards.

- Provide a CRC Card for each identified class
- Please use the format outlined in tutorial, i.e.,

Class Name:	
Responsibility:	Collaborators:

A Division of Labour

Include a Division of Labour sheet which indicates the contributions of each team member. This sheet must be signed by all team members.





Hashim Bukhtiar	Jaden Moore	James Ariache	Olivia Reich	Omar Abdelhamid
1.1, 1.2, 3.2 Compiled Final Doc 	X Cards in Section 4 	Section 2 	Section 3.1 	Y Cards in Section 4 Section 1.3 Omar Hassan

Table 1: Division of Labour