High-Level Architectural Design
21 Questions

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Contents

1 Introduction

This section should provide an brief overview of the entire document.

1.1 Purpose

a) Delineate the purpose of the document

b) Specify the intended audience for the document

1.2 System Description

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

1.3 Overview

This document will outline the design of the *21 Questions* application from an architectural perspective. The document will begin from a use case outlook, outlining application functionality from a practical point of view and taking different actors and stakeholders into consideration. Next, an analysis class diagram and associated interpretation details is outlined, to specify application behaviours and resources in a modularized form. Following this section is a detailed architectural design as well as a set of class responsibility collaboration cards. These sections specify modules in greater detail, including interfaces to be implemented in the future. The order of these sections reflects a systematic progression from requirements to a more easily constructed application.

2 Use Case Diagram

This section should provide a use case diagram for your application.

a) Each use case appearing in the diagram should be accompanied by a text description.

3 Analysis Class Diagram

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

4 Architectural Design

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

4.1 System Architecture

a) Identify and explain the overall architecture of your system

b) Be sure to clearly state the name of the architecture

c) Provide the reasoning and justification of the choice

d) Provide a structural architecture diagram showing the relationship among the subsystems (if appropriate)

4.2 Subsystems

a) Provide a brief description of each subsystem. Be sure to document its purpose and relationship to other subsystems.

5 Class Responsibility Collaboration (CRC) Cards

This section should contain all of your CRC cards.

a) Provide a CRC Card for each identified class

b) Please use the format outlined in tutorial, i.e.,

Class Name:	
Responsibility:	**Collaborators:**

A Division of Labour

Team Member	**Contributions**
Gabriel Lopez de Leon	
Maxwell Moore	
Curtis Milo	
Alexandra Rahman	
Connor Sheehan	Created use case diagram for BE3. Added overview section. Added styling.

Table 1: Division of Labour

Gabriel Lopez de Leon Date

Curtis Milo Date

Max Moore Date

Alex Rahman Date

Connor Sheehan Date