<*Component Name*> Design Document

NOTE: Text in italics should be replaced with your own content.

Date:
Author:
Reviewer(s):

Introduction

High level description of this document, for example: This document defines the design for the Canonical Model.

Overview

Overview of the problem to be solved. What is the problem and why is it being solved? How will the resulting solution provide business value?

Consider adding a diagram that explains how this component fits into the overall System with some descriptive text explaining the diagram.

Requirements

This section defines the requirements for the Mobile Application Store Product API.

Provide your understanding of the requirements, both functional and nonfunctional. Reference the provided Requirements and System Architecture documents. Do not cut and paste from the requirements document.

Product Manager and others can read this to understand what requirements your design will support. There is already a requirements doc, so keep this brief and to the point, highlighting the important requirements that the design is addressing. Structure in a way to provide a requirements checklist for your design.

Use Cases

Enumerate the use cases supported by the design,
This design supports the following use cases:

Include a Use Case Diagram.

Implementation

This section of the document will describe the implementation details for ...

The implementation section should cover the following topics:

- *What are the classes, and their properties, associations and methods?*
- *What are the important interfaces and how they will be implemented?*
- *How are the requirements addressed?*

Class Diagram

The following class diagram defines the classes defined in this design. Remember to include exception classes.

CLASS DIAGRAM GOES HERE

Class Dictionary

This section specifies the class dictionary for the class … defined within the package …

CLASS 1

Class 1 description

Methods

Method Name	Signature	Description

Properties

Property Name	Type	Description

Associations

Association Name	Type	Description

CLASS 2

...

Implementation Details

Explain details of the implementation.
How do the various parts fit together or interact?
How does the design address the requirements? Justify your design decisions and how they address the requirements.
Some implementation details may be addressed in the class dictionary, but for things that are not, describe them here.

Remember to reference the requirements from the body of the design document to show how your design is addressing the requirements.

Exception Handling

Provide details on your exception handling. What types of exceptions are expected and how are they handled by the design? Describe your exception classes and their properties.

Testing

Provide a testing strategy for testing the component.

- *Functional*
- *Performance*
- *Regression*
- *Exception Handling*

Risks

Document any risks identified during the design process.
Are there parts of the design that may not work or need to be implemented with special care or additional testing?