Software Design Specification

for

<Project>

Version X

<Organization>

<Date Created>

Contents

Revisions

Version	Primary Author(s)	Description of Version	Date Completed
SRS in Part 1(as Ver 1.0) SDS in Part 2(as Ver 2.0) System Documentation in Part 3 (as Ver 3.0) Draft Type and Number	Full Name	Information about the revision. This table does not need to be filled in whenever a document is touched, only when the version is being upgraded.	dd-mm-yyyy

1 System Overview

1.1 Description

<<Summarize the major functions the product must perform or must let the user perform. Details will be provided in Section 3, so only a high level summary is needed here. Organize the functions to make them understandable to any reader of the SRS. A picture of the major groups of related requirements and how they relate, such as a top level data flow diagram or object class diagram, will be effective.
TO DO: Describe the major processes to be performed by the system.>

1.2 Actors

<Identify the various actors that will interact with this product.
TO DO: List the actors and the use cases/functions that involve each of the actor>

1.3 Assumptions and Dependencies

<List any assumed factors (as opposed to known facts) that could affect the requirements stated in the SRS. These could include third-party or commercial components that you plan to use, issues around the development or operating environment, or constraints. The project could be affected if these assumptions are incorrect, are not shared, or change. Also identify any dependencies the project has on external factors, such as software components that you intend to reuse from another project.
TO DO: Provide a short list of some major assumptions that might significantly affect your design. For example, you can assume that your client will have 1, 2 or at most 50 Automated Banking Machines. Every number has a significant effect on the design of your system. >

1.4 Use Case Diagrams

<TO DO: Place the use case diagram here.>

2 Basic Design

2.1 Actor 1

2.1.1 Use Case 1

<TO DO: Describe the use case.>

2.1.2 Use Case 2

<TO DO: Describe the use case.>

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2.1.3 Use Case N

<TO DO: Describe the use case.>

2.2 Actor 2

2.2.1 Use Case 1

<TO DO: Describe the use case.>

2.2.2 Use Case 2

<TO DO: Describe the use case.>

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2.2.3 Use Case N

<TO DO: Describe the use case.>

2.3 Actor N

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3 Data Design

3.1 Data Dictionary

<TO DO: Describe the data dictionary and place the table with the details here>

3.2 Data Structures

3.2.1 Data Structure 1

<TO DO: Describe the data structure and place the table with the details here.>

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3.2.2 Data Structure N

4 Architecture Design

4.1 Software Architecture

<Describe the software architecture and place the architecture diagram here.>
<TO DO: Describe the separation of the system into subsystems and how the subsystems are assigned to team members.>

4.1.1 Subsystem 1

<TO DO: Describe the subsystem and place the architecture diagram here.>

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4.1.2 Subsytem N

<TO DO: Describe the subsystem and place the architecture diagram here.>

5 Interface Design

5.1 Main Screens

<TO DO: Describe the main screens of the system and place the screen designs here.>

5.2 Subsystem 1 Screens

<TO DO: Describe the screens of subsystem 1 and place the screen designs here.>

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5.3 Subsytem N Screens

<TO DO: Describe the screens of subsystem N and place the screen designs here.>

6 Component Design

6.1 Main Components

<TO DO: Describe the main components (modules, classes, packages, etc.) and the table with the components and related subsystems here.>

6.1.1 Component 1

<TO DO: Describe the component and place the diagram here. There should be algorithm, pseudocode, flowchart, activity diagram to support the processing in the component.>

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6.2 Component N

7 Deployment Design

7.1 Deployment Diagram

<TO DO: Describe the deployment diagram and place the diagram here.>

8 Updated Requirements

*<This section is **Optional**. Place the requirements that have been updated from the SRS, particularly those that would have impact on the software design.>*

8.1 Sequence Diagram 1

<TO DO: Describe the sequence diagram and place the diagram here.>

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8.2 Sequence Diagram N