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| Martian Motel SRS |
| The Martian Group |
|  |
| |  | | --- | | CMSC 495  University of Maryland University College | |  | |
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**1. Introduction**

**1.1 Purpose**

This Software Design Description (SDD) document provides an overview of the interface and component-level design for the Martian Motel Management System (MMMS). Its purpose is to show how the system will encapsulate the requirements and is a medium for translating detailed design information to the software engineers. This outline describes the many requirements, while adhering to the IEEE recommended practice for software design descriptions.

**1.2 Scope**

The goal upon completion of the MMMS is to provide a web interface for potential customers, as well as a comprehensive tool to simplify reservation requests, track room or activity information, and safely store all client data. The objective is to create a user friendly and easily managed product, with quick load times. When using the MMMS, routine functions will become more streamlined, and easily managed. This will allow for a better customer experience, increased sales and higher overall satisfaction rating.

**1.3 Definitions and acronyms**

MMMS – Martian Motel Management System

SRS – Software Requirements Specification

ACD – Architectural Context Diagram

DFD – Data Flow Diagram

ERD – Entity Relationship Diagram

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**2. Decomposition description**

**2.1 Module decomposition (ERD)**

Insert ERD here

**2.2 Concurrent process decomposition (ACD)**

Insert ACD here

**2.3 Data decomposition (Attribute Table)**

|  |  |
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| **Attribute Name** | **Type** |
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**3. Dependency description**

**3.1 Inter-module dependencies**

**3.2 Inter-process dependencies**

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**5.1 Detailed data descriptions**

**5.1.1 DFD Level 1**