Software Requirements Specification

For

Meedana Hospitals Management

Version 1.0

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1 Introduction

The Meedana Hospital Management Module is a system that keeps track of available medical facilities in the area of the disaster. It will enable users to manage hospitals status and help locating hospitals in the area.

1.1 Purpose

This document serves as a high-level description and detailed requirement for the Meedana Hospital Management Module.

1.2 Scope of the Work

The Meedana Hospital Management Module is intended to support the management of hospitals in the disaster area including location and status.

1.3 Definitions, Acronyms, and Abbreviations

MHM: Meedana Hospital Management Module

1.4 References

<Reference main Meedana documentation.>

2 Overall Description

2.1 Product Perspective

The Meedana Hospital Management Module is a module in the larger Meedana project. Users will access the module via the main Meedana interface as an independent module. The module will incorporate some features similar to those in Camp Registry, Inventory Management and Volunteer Management (for staffing) modules.

2.2 Product Functions

The main purpose of MHM is to keep track of hospitals status, staffing and inventory condition. The main part of the module will be:

- To provide location information
- To provide status information on medical facilities including rooms, medicine and staff.

2.3 User Characteristics

There are 2 types of users for this module:

- Administrators: this is the group of users that has the highest level of permission. They can:
    - View/Add/Delete/Edit Hospitals information including status, name and location.

- o View/Add/Delete/Edit Hospitals staffing
- o View/Add/Delete/Edit Hospitals inventory

- Hospital Managers: these are the managers of 1 hospital each. They can:
  - o View all hospitals' information including status, name and location.
  - o Edit the status of the hospital that they are in charge of.
  - o View/Add/Delete/Edit the staffing information of the hospital they are in charge of.
  - o View/Add/Delete/Edit the inventory information of the hospital they are in charge of.

- Hospital Staff: this is the group of people working in the same hospital. They can:
  - o View all hospitals' information including status, name and location.
  - o View the staffing information of the hospital they are working in.
  - o View/Add/Delete/Edit the inventory information of the hospital they are in charge of.

- Normal Users: They can:
  - o View all hospitals information including status, name and location.

2.4 Constraints

The Meedana Hospitals Management Module must operate as a part of the larger Meedana project. It must adhere to all Meedana standards and constraints.

2.5 Assumptions and Dependencies

The module does not depend on any external services.

3 Specific Requirements

3.1 External Interfaces

MHM is an independent module and it will have a navigation menu on the top left like others module. On this menu we will have the following items:

- Home: this displays the default homepage of the module, which include the newest and the 5 most available hospitals.

- View: this will show a list of all hospitals in the database from which a user can choose to see details for specific hospitals.

- Add Hospital: only available to administrators group. They can add information about a hospital including name, location, and status.

o Edit Hospital: only available to administrators, this will allow editing for a specific hospital:

• Delete Hospitals: only available to administrators group. They can delete a hospital and all staffing and inventory information will also be deleted.

3.2 Functions

Hospitals 1.0 Display Hospitals

Input	Selection of the link to the Hospital Management Module from the Meedana main page.
Action	All users are transferred to Hospital Management Console Page.
Output	Hospital Management console will display information on the most recent and most available hospitals including name, location, status and staff count.
Notes	Project information should be drawn from a Meedana-created database.
Priority	High

Hospitals 1.1 Display All Hospitals

Input	Selection of the View link from the Hospital Management navigation menu item.
Action	All users are transferred to the Hospital Details Page.
Output	Hospital Details Page displays information on all hospitals including name, location, status.
Notes	Project information should be drawn from a Meedana-created database.
Priority	High

Hospitals 1.2 Display Individual Hospital

Input	Selection of Hospital name from Hospital Details Page or Hospital Management Console page.
Action	All users are transferred to Individual Hospital Details Page.
Output	• Individual Hospital Details Page displays Hospital information including:

o Name of hospital
o Location
o Number of available rooms/beds
o Hospital manager

Notes	N/A
Priority	High

Add Hospital 1.0 Display form

Input	Selecting the link to Add Hospital on the MHM navigation menu.
Action	Administrator is transferred to the Add Hospital Page
Output	The page will consist of a form allowing input of:

• Name of hospital
• Location

- Number of available rooms/beds
- Hospital manager

Notes   N/A
Priority   High

Add Hospital 1.1 Submit form
Input   Selection of Submit button on the Add Hospital Page.
Action   Information is added to the database, administrator is transferred to a confirmation page.
Output   A confirmation page informing the user of the success of the form submission.
Notes   Administrator needs to at least enter name and location and number of beds.
Priority   High.

Delete Hospital 1.0 Delete a Hospital
Input   Selection of Delete Hospital from the MHM navigation menu.
Action   Administrator is transferred to a Delete Hospital Page where administrator must select the hospital they want to delete.
Output   Delete Hospital page is displayed, containing a list of all hospitals in the database and the option to delete any one of them.
Notes   N/A
Priority   High

Delete Hospital 1.1 Submit Deletion
Input   Selection of Delete button on the Delete Hospital Page
Action   Administrator is transferred to a confirmation page.
Output   A confirmation page informing the user of the success of the deletion request.
Notes   N/A
Priority   High

Edit Hospital 1.0 Edit hospitals Information
Input   Selection of Edit Hospitals Information button on the MHM navigation menu.
Action   Administrator is transferred to a Edit Hospital Page
Output   The Edit Hospital Page will display a list of all hospitals in the database
Notes   N/A
Priority   High.

Edit Hospital 1.1 Edit an individual hospital information
Input   Selection of a hospital from the Edit Hospital Page.

Action   Administrator is transferred to Edit Individual Hospital Page.
Output   The page will consist of a form filled with information of the chosen hospital from the database and it allows input of:
- Name of hospital
- Location
- Number of available rooms/beds

Notes   N/A
Priority   High

Edit Hospital 1.2 Submit individual hospital information edit
Input   Selection of Submit button in the Edit Individual Hospital Page.
Action   Administrator is transferred to a Confirmation page.
Output   A confirmation page informing the user of the success of the edit request.
Notes   N/A
Priority   High

3.3 Performance Requirements

None identified.

3.4 Logical Database Requirements

Data tables to be developed include:

Hospitals: table to contain information about hospitals: name, location, number of available beds, managers, staff and inventory

3.5 Design Constraints

List any design constraint requirements identified (may be none).

3.6 Standards Compliance

All design must adhere to existing Meedana conventions and standards.

3.7 Software System Attributes

None identified.