# Design Document

## Features & Functionalities

This web app is designed to manage and interact with a healthcare database that includes service and treatment data. The main features include:

➕ Add New Records

- Add Service: Allows the user to insert new services using a web form. The form accepts service name, category, price, type, and description.

- Add Treatment: Accepts treatment ID, treatment name, category, and two cost types.

Both forms submit data to the server via POST, which is handled by PHP and inserted using stored procedures defined in MySQL.

🔍 Search and Manage

- Manage Services: Allows the user to search for services by category. The results are displayed in a styled table based on stored procedure results.

- Manage Treatments: Allows searching for treatments by name with partial match support.

Search results are dynamically generated by PHP using input passed into stored procedures.

📦 Database Integration

- The backend uses PHP and MySQL.

- All database access is managed by a DataHandler class using stored procedures for security and abstraction.

- Stored procedures like sp\_insert\_service, sp\_get\_services\_by\_category, etc., are used throughout the project.

## User Interface Design

The interface is simple and user-friendly:

- Homepage (index.html): Links to "Add" and "Manage" pages.

- Add Pages:

- Use <form> elements with labeled inputs

- Each form includes action and method="post" attributes to support submission

- Upon submit, the data is inserted and a message is shown

- Manage Pages:

- Feature a <div> containing a search form with a label and input field

- Results are shown inside a <p> tag as a <table> with database records

- Table headers and columns are dynamically populated based on search results

The app uses a consistent stylesheet (my\_styles.css) for borders, fonts, and spacing.

## Submission Summary

- 1 HTML homepage (index.html)

- 2 Add pages: add\_service.php, add\_treatment.php

- 2 Manage pages: manage\_services.php, manage\_treatments.php

- 1 data\_handler.php for stored procedure calls

- 1 splash screen image

- 1 design document (Design Document.pages)