Hospital Management System

**Goal**

To develop a Hospital Management System

**Technologies used**

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| Frontend | React, IndexedDB |
| Backend | JAVA, Spring Boot, MySQL |

**Requirements**

1. **Login**

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| SRS ID | Description |
| 1.1 | Authentication should be enabled in the DeepTek Hospital Management System. Users should be able to enter their username and password on the login page.  There should be a check to the password .Password must contain 1 small,1 cap,1 special,1 number, Min. 8 characters |
| 1.2 | Once the user clicks on the ‘Login’ button, the homepage should be displayed if valid credentials are provided. In case of invalid credentials ‘Please enter valid credentials’ message should be displayed. |

1. **Add Hospital**

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| 2.1 | There should be an ‘Add Hospital’ button on the homepage to allow users to create a new Hospital entry. Hospital Information form dialog should be displayed on click of ‘Add Hospital’ button. The Hospital Information form should be saved on click of ‘Submit’ button. |
| 2.2 | Hospital Information form should have following fields:   * Hospital Name * Hospital Address * First Contact Details   + Name   + Email   + Contact Number * Second Contact Details   + Name   + Email   + Contact Number   All the fields listed above should be mandatory and should have proper validations at the client side. |

1. **List of Hospital**

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| 3.1 | There should be a List of hospitals in a tabular format |
| 3.2 | Hospital Information table should have following fields:   * Hospital Name * Hospital Code(Unique Id) * Hospital Address * First Contact Details * Second Contact Details * Link to upload the DICOM in that hospital |
| 3.3 | The table should include features of filtering,sorting and pagination. |

1. **Edit Hospital Button**

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| 4.1 | There should be a button for Editing data of the Hospital .This button should be on the page where the list of hospitals are displayed. |
| 4.2 | This button will lead to a form dialog to edit the required fields |

1. **Attach DICOM to hospital**

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| 5.1 | On clicking the file icon in the ‘DICOM status’ column, the Attach DICOM modal should be displayed. |
| 5.2 | The modal should display the patient demographics from the DICOM that is attached with the patient entry. Based on the status of DICOM attached there should be a button ‘Attach DICOM’ or ‘Update DICOM’. On clicking of the button the user should be able to upload a new DICOM file for the given Patient or edit the existing DICOM.  The modal should display the X-Ray image and the following patient details in the tabular format:   * Patient Name * Patient Id * Age * Sex * Birth Date * Upload Date |