

Covid19 Health & Care Web Application




SRS for Semester Project

MVC Application with Dotnet Core

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-: Total Users :-

-  Administrator or Government
-  Hospital Management
-  Patient or Any End user

-: SRS: Functional Requirements :-

R1: Login Module

Description: Users can login, register to the web application.

R1.1 User Registration:

Description: User can Register to the site.

Hospital management can be registered by Administrator only.

Patient or normal Public can register themselves.

Input: User selection:

Input Data: Name, Username, Password, City, State, And other Persona Details.

For public: One additional field is concerned Hospital preferenced.

Output: Appropriate registration message based on the status of registration.

R1.2 User Login

Description: User can login to Account.

Input: User Selection:

Input Data: Username, Password, Confirm Password, Remember me

Output: Appropriate login message based on the status of Login and Redirect to the dashboard Page after Successful Login.

R1.3 Forgot Password

Description: Password can be reset in case of Password lost.

Input: User Selection:

Input Data: Username

Output: Email verification link will be sent to the registered Email Id. And based on verified link, Password is can be set.

R1.4 Logout

Description: User can logout from their account

Input: User selection

Output: Redirected to Login page.

R2. Manage Administrator module

Description: Functionalities related to the Administrator dashboard panel.

R2.1 Publish Health advisory to Public

Description: Government publish health advisory to the public.

Input: User input.

Input Data: Title, Description

Output: Success message after successful creation of advisory.

R2.2 Assign task to Hospitals.

Description: Government assigns Covid19 related tasks to the hospital.

Input: User Input

Input Data: Title, Description, Goal, Due date

Output: Success message after successful creation or Task.

R2.3 Publish Covid19 data

Description: Government publish and provide the covid19 related data to the public.

Input: User Input

Input Data: Title, New Cases, Death case, Recovered cases, Description

Output: Success message after completion.

R2.4 Delete Registered Hospitals and End users.

Description: Delete the registered users.

Input: User Selection.

Output: Success message.

R3. Manage Hospital module

Description: Hospital module is managed here.

R3.1 Manage Patients

Description: Patient data can be added, modified and deleted in records of current admitted patient in the hospital in constraint with available free beds.

R3.1.1 Add Patient

Description: Patient data can be added by hospital management to the list of current admitted patients.

Input: User Input

Input Data: Name, Gender, Address, Date of birth, Disease, Blood group

Output: Success message after adding the patient.

R3.1.2 Update patient Data

Description: Patient data can be modified by hospital management.

Input: User Input

Input Data: Name, Gender, Address, Date of birth, Disease, Blood group.

Output: Success message after updating the data of patient.

R.3.1.2 Discharge Patient

Description: Patient data can be deleted by hospital management from current admitted patient list.

Input: User selection

Output: Success message after deleting the data of patient.

R3.2 Manage Government assigned Task

Description: Hospital management can manage the Government assigned tasks.

R3.2.1 View Government Assigned Tasks

Input: User selection

Output: List of assigned tasks by government.

R3.2.2 Submit the task.

Input: User selection

Output: Confirmation message and after confirmation Success message is displayed.

R3.3 View Medical details of Public.

Description: View medical details of public (end user) who is associated with that hospital.

Input: User selection

Output: Medical Details of all associated public.

R3.4 Update Hospital beds amount.

Description: Hospital beds amount can be added and decremented by the hospital on their need.

Input: User Input.

Output: Success message after updating.

R4. Manage Public (end user) module

Description: Public module is managed here

R4.1 View guidelines and health advisory published by Government.

Input: User Selection

Output: List of guidelines and advisory published by Government.

R4.2 Update Concerned hospital

Input: User selection from available list of Registered hospital.

Output: Success message after updating concerned hospital.

R4.3 Feed medical check-up data.

Description: End user(public) fed the medical check-up data to the associated hospital.

Input: User Input

Input Data: Blood pressure, diabetes level and other required medical data

Output: Success message after feeding data and redirected to dashboard.

R4.4 View available beds and view status of beds in concerned hospital.

Input: User selection

Output: Status of available beds from concerned hospital.

-(PTO)

Non-functional Requirements

- ✚ Server-side Input field validation
- ✚ Authorization
- ✚ Authentication
- ✚ Cross Forgery Validation

Thank You

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