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|  | | CURD Application | | | | |  | |
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About the web app

Scenario 1

“Pharmacy Lanka (pvt) Limited” wants a simple web application that supports add item/view list/update items and delete items. You need to facilitate the basic needs (CRUDs) for the medicines using a form. You free to select any attributes and process.

This web App is a simple CRUD application. In this web App no admin panel, however its only has User UI. It’s made for use every user in normal way. It’s considered necessary to implement a persistent storage application: ***create, read, update*** and **delete**. Persistent storage refers to any data storage device that retains after the power failure every data’s are loss.

Functionalities and flow

These four operations maps to functions/statements, as seen in the following table

|  |  |
| --- | --- |
| **OPERATIONS** | **FUNCTIONS** |
| Create | Insert |
| Read | Select |
| Update | Update |
| Delete | Delete |

Each letter in CRUD can also be mapped to an HTTP protocol method:

|  |  |
| --- | --- |
| **OPERATIONS** | **HTTP PROTOCOL** |
| Create | Post |
| Read | Get |
| Update | Put |
| Delete | Delete |

Used technologies/languages and reasons

There are two main categories of coding, scripting and programming for creating Web app.

1. **Client-Side Scripting / Coding**- Client-Side Scripting is the type of code that is executed or interpreted by browsers.

Below are some common Client-Side Scripting technologies:

* + HTML (Hypertext Markup Language)
  + CSS
  + JS

1. **Server-Side Scripting / Coding** - Server-Side Scripting is the type of code that is executed or interpreted by the web server. Server-Side Scripting is not viewable or accessible by any visitor or general public.

The CRUDacronym identifies all the major functions that are inherent to relational databases and the applications used to manage them. Server-Side Scripting is the type of code that is executed or interpreted by the web server.

In this web apps used following languages HTML, JS and CSS, however Js is main part of this web app because many function handled by Js.

HTML, JS, CSS are mainly covered in this web app.

Testing and Results with explaining CRUD operations

Graphical user interface, application

Description automatically generated

Guidelines to test your app

* Step 1: Functional Testing. The first step of web testing ensures that the functions of a system are tested
* Step 2: Usability Testing
* Step 3: Interface Testing
* Step 4: Compatibility Testing
* Step 5: Performance Testing
* Step 6: Security Testing

In here mainly test functional testing, usability and interface testing this 3 testing is good in this web app. Security testing is not need for this web app. Because it’s a simple program.