SOFTWARE REQUIREMENT SPECIFICATIONS

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TRAINING BATCH -PYTHON 57

# ABSTRACT

A web application that deals with checking for availability of domain name.

# MODULES

1. Admin

Admin can monitor the databases. Admin can add user and manage the overall operations. Admin have the authority to add or remove the users that are created. Admin allows the registered users to use Application Program Interface(API). Admin check whether the Domain Name is currently used or not and gives a report on it.

1. User

User can register into the page by providing their details. User can enter into their page after registration and search the Domain Name in the search bar.

# DESIGN

1. User Login and Sign upPage

The first page has buttons for login and sign up. On clicking these buttons, it will open up a modal for their respective use cases.

The login modal will have the following text boxes and the login button:

* username: to enter the username. username can be alphanumeric.
* password: to enter the password. Password can be alphanumeric, can contain special characters and must be at least 8 characters in length.

There is also a provision to reset your password, in case the user forgets it. On login, the user will be redirected to the Home Page.

The sign up modal will have the following textboxes for the user to sign up to our website:

* Username: to enter the username. Username can be Alphanumeric
* Name: to enter the name. Name must be entirely alphabetic.
* Email: to enter the email address. Email can be alphanumeric and it must contain ‘@’symbol.
* password: to enter the password. Password can be alphanumeric, can contain special characters and must be atleast 8 characters in length. The password will be saved using encryption methods for security.
* Phone\_number: to enter the phone number. It must be entirely numeric and must be atleast 10 character long.
* DoB: to enter the date of birth(DD/MM/YYYY).
* The user will also have to verify a captcha to prevent bots from signing up to our webpage.

1. HomePage

The home page will have a search bar. In the search bar, user can search for the Domain Name.

1. Admin Page

The Admin page can only be accessed by the superuser. Admin allows the registered users to use Application Program Interface(API). Admin provide the report based on the Domain Name searched, and the above report is displayed in a table.

**Database design**

* 1. sign up

|  |  |  |
| --- | --- | --- |
| Field name | Data type | Constraint |
| username | varchar |  |
| email | varchar |  |
| phone\_number | int |  |
| password | varchar |  |
| salt\_value | varchar |  |
| create\_date | date |  |

2. login page

|  |  |  |
| --- | --- | --- |
| Field name | Data type | Constraint |
| username | varchar |  |
| password | varchar |  |