

Analysis & Design Document

Document Summary

JiraLink	NA
Task Summary	User adding page
Developer	Sridharan

Summary

S.No	Parameter	Description
1	List of Services Impacted	User Add
2	Does it require code changes?	Yes
3	Does it require Database Changes?	Yes
4	Does it require Infrastructure Changes?	No
5	Does it have any Integration Changes?	No

Analysis

Functional Requirement Understanding

- Page which allows user to enter details for a new record
- Then we have to validate all the fields in the form using javascript
- We have to validate duplication of any user in the background and then enter record in the database

Integration

Not Required

Code Changes

Files Affected:

- Models/UserModel.php
- Controller/AddUserController.php
- View/AddUser.php
- Assets/css/add-user.css
- Assers/javascript/add-user.js

Implementation Steps:

- Create a form using bootstrap
- Text type input boxes for name,address,phone number,city
- File type input for profile picture
- Drop down for age,country and state with help of stored datas in db using ajax
- Onsubmit in form using javascriptp function to validate empty fields in entry form
- Adding a controller “Controller/AddUserController.php” which handles post request from entry form then verifies in db for duplication
- Then with help of User model to enter details in database

Database Changes

Add Table contacts

- Adding new column id int NOT NULL as Primary Key
- Adding new column phone int NOT NULL
- Adding new column age int NULL
- Adding new column address varchar(255) NULL
- Adding new column pincode int NULL
- Adding new column profile_picture varchar(255) NULL
- Adding new column user_id int NOT NULL as foreign key Reference users(id)
- Adding new column country_id int NOT NULL as foreign key Reference countries(id)
- Adding new column state_id int NOT NULL as foreign key Reference states(id)
- Adding new column city_id int NOT NULL as foreign key Reference cities(id)
- Adding new column created_at varchar(30) NOT NULL
- Adding new column updated_at varchar(30) NOT NULL

Add Table countries

- Adding new column id int NOT NULL as Primary Key
- Adding new column name varchar(255) NOT NULL

Add Table states

- Adding new column id int NOT NULL as Primary Key
- Adding new column name varchar(255) NOT NULL
- Adding new column country_id int NOT NULL as Foreign Key Reference countries(id)

Add Table cities

- Adding new column id int NOT NULL as Primary Key
- Adding new column name varchar(255) NOT NULL
- Adding new column state_id int NOT NULL as Foreign Key Reference states(id)

Infrastructure Changes

Not Required

Impacted Areas

- User Adding

Revision History

Date	Version	Author	Description
2-04-2024	0.1	Sridharan	Initial analysis

