# Analysis & Design Document

## Document Summary

| JiraLink | NA |
|---|---|
| Task Summary | Registration Page |
| Developer | Sridharan |

## Summary

| S.No | Parameter | Description |
|---|---|---|
| 1 | List of Services Impacted | Register |
| 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 register with input fiedls firstname, lastname, email, password, re-enter password
- Check matching of passwords in javascript
- Javascript validation for inputs
- Store in database as hashed password
- Send email link to confirm users

### Integration

Not Required

## Code Changes

**Files Affected:**

- Models/UserModel.php
- Controller/RegisterController.php
- /View/Register.php

**Implementation Steps:**

- Create a form using bootstrap with inputs first name, last name, email, password, confirm password
- Validate email using simple JavaScript
- Validate password and confirm password with JavaScript
- Validate empty fields with JavaScript
- Then form inputs in $_POST to backend
- RegisterController which registers user with usermodel and send link in registered mail for confirm registration

## Database Changes

- Adding new column id int NOT NULL as PRIMARY KEY
- Adding new column first_name as VARCHAR(255)
- Adding new column last_name as VARCHAR(255)
- Adding new column email as VARCHAR(255)
- Adding new column password as VARCHAR(255)
- Adding new column email_confirmation as Integer NOT NULL
- Adding new column created_at as varchar(30) NOT NULL

## Infrastructure Changes

Not Required

## Impacted Areas

- registration

## Revision History

| Date | Version | Author | Description |
|------|---------|--------|-------------|
|      |         |        |             |