**1. USER STORY**

**1. 1 USER STORY –LOGIN PAGE**

1.1.1 OVERVIEW

A registered user can access his/her profile by providing the valid user credentials, that is, the username and password or a link is provided for new users to register.

1.1.2 ACCEPTANCE CRITERIA

Once the username and password is entered and the user clicks the login button, a check will be performed for ensuring that there exists a user with the corresponding username and password. If such a user is found and the user type for the user is “u” in the type field then the user will be redirected to the user home page. If such a user is found and the user type for the user is “a” in the type field then the user will be redirected to the admin home page. If such a user is not found then an error message “Account doesn’t exist” will be displayed alongside the login button “.

**1.2 USER STORY-REGISTRATION PAGE**

1.2.1 OVERVIEW

The objective of the registration page is to extract the user information to provide access to website.

1.2.2 ACCEPTANCE CRITERIA

The user must enter the information into the text fields provided according to the criteria specified. The registration page includes fields for entering name, email address, username, password, and a field for confirming the already entered password, address and phone number fields. All the fields are mandatory the user is required to fill all the fields for successful registration. The name field should have only characters either in the uppercase or in the lowercase, if there are entities other than characters it will display a message “invalid name”. The email address should be in the format: “name@domain-name”, if it is not in the specified format an error message will be displayed. The password should be at least 8-characters long with at least a character, number and a special character, this is the format for password. If the password is not in the specified format the message “min. 8 characters at least one special character, number and a character” will be displayed. In the re-type password field, if the contents of the field is not matching the contents of the password filed, a message “The fields’ doesn’t match” will be displayed. The phone number field should be filled with numbers only and the phone number should have 10 digits, if not an error message showing “10 digits required “will be displayed. On clicking the button for Create Account the fields will be checked to ensure that they are filled and the username field will be checked for ensuring that the username entered does not exist. If all the conditions are satisfied then it will be redirected to the home page.

**1.3 USER STORY – USER HOME PAGE**

1.3.1 OVERVIEW

An authenticated and registered user will be redirected to the user home page which displays the latest user details.

1.3.2 UPDATE DETAILS AND IMAGE SELECTION

The user can edit or update the contents displayed in their home page but goes through validation phases as similar to registration page .The user can also add a profile image by clicking the choose file option and it will be displayed on top of the user details. While updating, each field has a validation same as that of the registration page. On clicking the update button after updating, the page will be reloaded and the updated values would have replaced the old values.

**1.4 USER STORY –ADMIN PAGE**

1.4.1 OVERVIEW

A user with the user type ‘a’ will be redirected to the admin home page.

1.4.2 ADMIN FUNCTIONS

The user with the user type ‘a’ will be redirected to the admin home page. The admin home page will have all the details of all normal users along with a text area where id of required user can be entered and a “delete account” button and a “give admin privilege” button. On clicking the delete button, the corresponding account will be deleted from the database. On clicking the “give admin privilege” button, the corresponding user would be recognized as admin and would be redirected to the admin home page from the next sign in.

**2. SOFTWARE SPECIFICATIONS**

|  |  |
| --- | --- |
| Tool | Version |
| pgAdmin4 | 3.2 |
| Node js | V8.11.3 |
| Npm | 5.6.0 |
| chrome | 68.0.3440.106 |
| Visual Studio Code | 1.27.1 |

**3.DATA FLOW DIAGRAM**

**3.1CONTEXT FLOW DIAGRAM**

Login

Login

View

details

View users

Update details

Delete users

0.0

Details

Management

System

User

Admin

**3.2 LEVEL 1 DATAFLOW DIAGRAM**

log

Registration details

Name

,, username

Name, username, password

Name,

username

Update details

Name, username, password

Id, Name

Delete details

Id, Name

log

Id, username

View

details

Id, username, address

1.0

User

Management

2.0

Details

Management

3.0

Admin

Management

#### LEVEL 2 DFD: USER MANAGEMENT

Username, password

log

Register details

Username, password

Username, password

Login details

Username, password

1.1

Register

1.2

Login

**LEVEL 2 DFD: DETAILS MANAGEMENT**

log

Name, address

Update detai

ls

Name, address

Name, address

Delete details

Name, address

2.1

Update

2.2

Delete

**LEVEL 2 DFD: ADMIN MANAGEMENT**

log

Id, Name, username

View details

Id,Name,usrname

3.1

View