

1.0 USER STORY

1.1 USER STORY-REGISTRATION PAGE

1.1.1 OVERVIEW

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

1.1.2 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”, if the field has only characters it will display a message “valid name”.

The email address should be in the format:name@domain-name, if it is not in the specified format an error message “invalid email” will be displayed. On entering the email address in the correct format “valid email” message will be displayed.

The username should have only characters in it, if it contains other entities then “invalid username” message will be displayed, if the field has characters only then “valid username” message will be displayed.

The password should be 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 “8 characters at least one special character, number and a character” will be displayed.

If it is in the specified format the message “valid password” will be displayed.

In the re-type password field, if the contents of the field is matching with the contents of the password field then a message “Matching Passwords” will be displayed, if not a message “Unmatched Passwords” will be displayed.

The address field should be filled otherwise a message “address not filled will be displayed”, if filled a message “address filled” will be displayed.

The phone number field should be filled with numbers only and the phone number should have 11 digits , if not an error message showing “Invalid- 11 digit phone number “ will be displayed, if it is in the correct format “ valid phone number “ message 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 login page.

There is a link provided in the registration page for already registered user to redirect to the login page

1. 2 USER STORY –LOGIN PAGE

1.2.1 OVERVIEW

As a user a registered user can access their profile by providing the valid user credentials, that is, the username and password.

1.2.2 ACCEPTANCE CRITERIA

The username and password should be entered into the respective fields, if not an error message “Please enter the username”, “Please enter the password” for the username and password fields respectively.

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 “user” 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 “admin” 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 “Login Failed” will be displayed alongside the login button “.

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 user details.

1.3.2 UPDATE DETAILS AND IMAGE SELECTION

The user can edit or update the contents displayed in their home 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.

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The phone number field should be filled with numbers only and the phone number should have 11 digits , if not an error message showing “Invalid- 11 digit phone number “ will be displayed, if it is in the correct format “ valid phone number “ message will be displayed.

On clicking the edit button after updating the page will be reloaded and the updated values would have replaced the original values.

1.4 USER STORY –ADMIN PAGE

1.4.1 OVERVIEW

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

1.4.2 ADMIN FUNCTIONS

The user with the user type will be redirected to the admin home page.

The admin home page will have a welcome message with a list user navigation tag in the navigation bar.

On clicking the list user in the navigation bar the user will be redirected to the list user page.

The list user page has a button displayed which says "LIST USERS".

On clicking the button it will list the users as a table along with a delete button, text box for entering id and a button for giving admin privilege.

There will be a checkbox against each user, the admin can select one or more users using the checkbox and click on the delete button to delete the users.

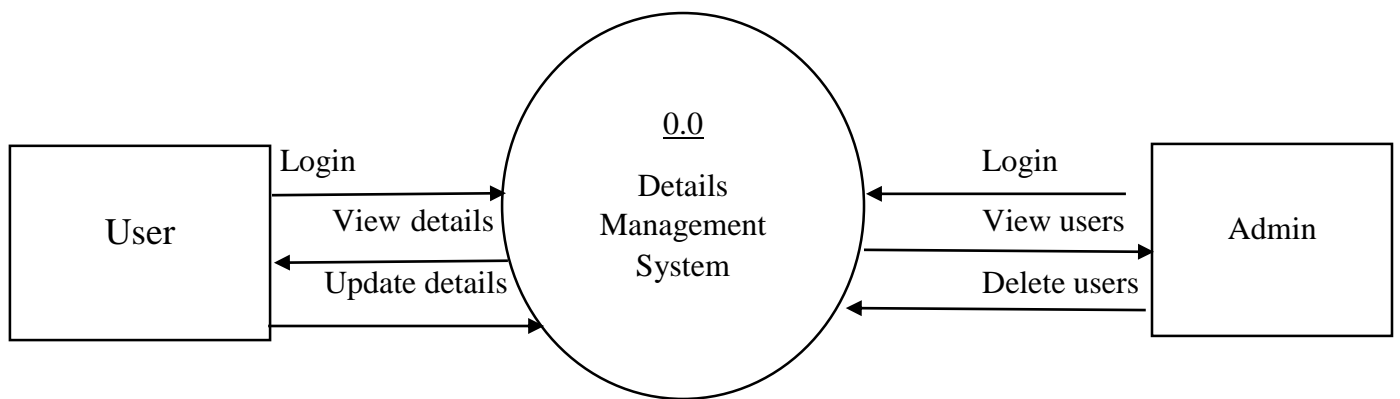
The admin can enter the id of the user that the admin would like to give admin privilege and can click the give admin privilege to provide it.

2.0 SOFTWARE SPECIFICATIONS

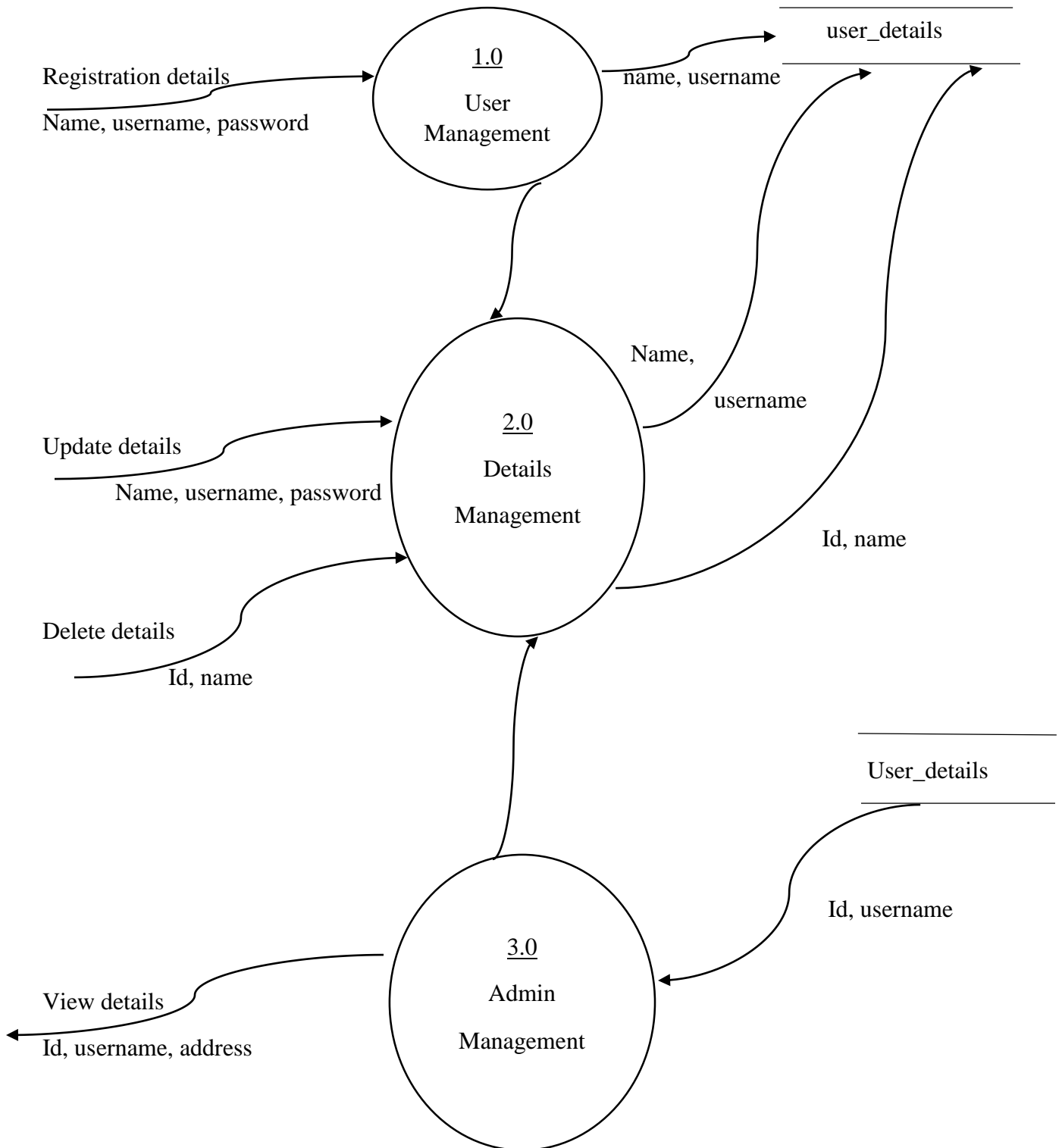
| Tool | Version |
|--------------------|---------------|
| pgAdmin4 | 3.2 |
| Node js | V8.11.3 |
| Npm | 5.6.0 |
| chrome | 68.0.3440.106 |
| Visual Studio Code | 1.27.1 |

3.0 DATA FLOW DIAGRAM

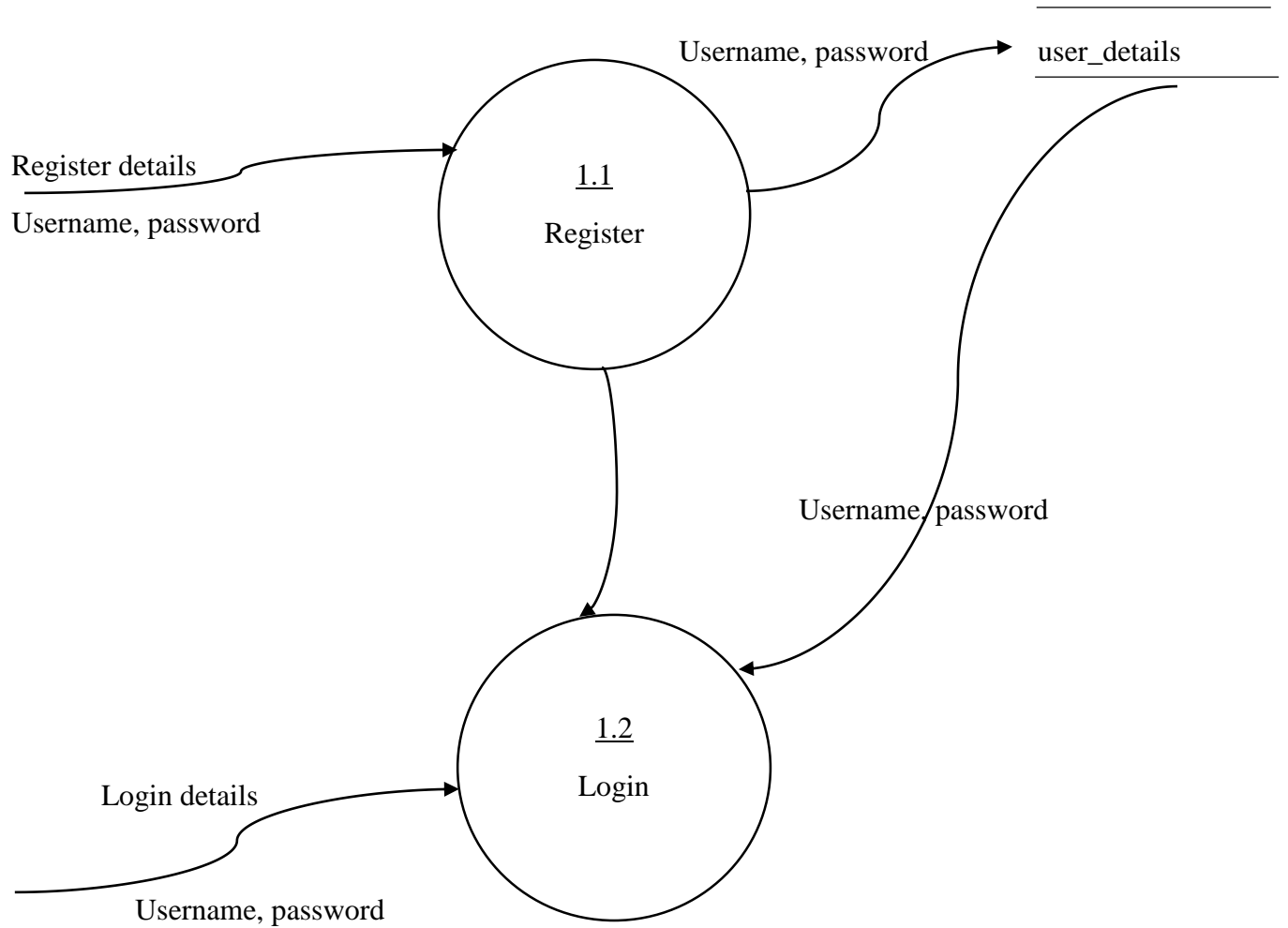
3.1 CONTEXT FLOW DIAGRAM



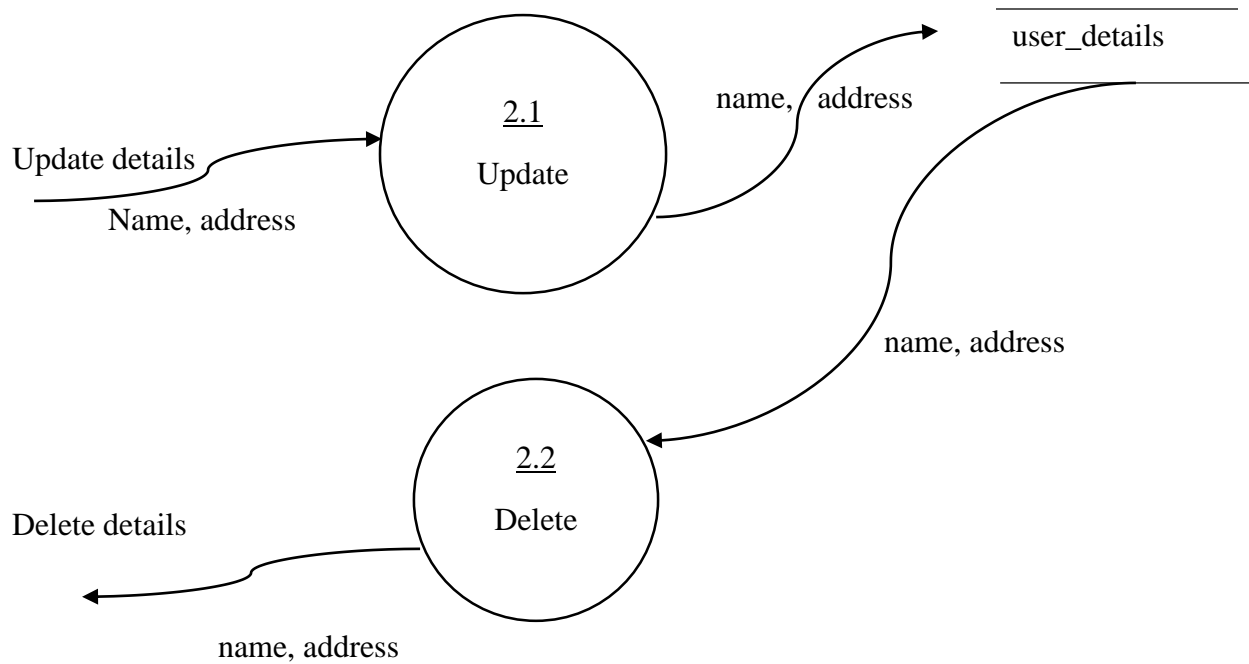
3.2 LEVEL 1 DATA FLOW DIAGRAM



LEVEL 2 DFD: USER MANAGEMENT



LEVEL 2 DFD: DETAILS MANAGEMENT



LEVEL 2 DFD: ADMIN MANAGEMENT

