Logo

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FOCP II

PROJECT REPORT ON

DAILY EXPENSE MANAGER APP

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**ABSTRACT**

This project is useful in keeping the data save for the new user as well as for the old user. Every time user login to his account by username and password. On every sign-up Validations are present on username like no space present and on password field like length should not be less than 6, use of numeric and special characters with upper and lower case. Following attribute is displayed in which data can be added, delete, and updated in a File. By keeping in mind every Exception is handled.

**PROBLEM STATEMENT**

The Expense Calculator make this process easier by allowing us to organize our household expenses. It helps us calculate our daily expenses to keep track of how much we spend so that at the end of the month we can get input-output result. A list of actual expenses so we know where our money is going. The reason people have so much trouble handling their expenses is because they have no idea what their expenses really are. By this we can identify which expenses are necessary according to priority.

**PROJECT FLOW CHART**

Diagram

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*Fig. 1*

**PROJECT STRUCTURE**

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*Fig 2*

**SIGN UP**

* In computer, *sign up* means "to register or to create a new account”.
* To *Sign up* for the Daily Expense Manager the user need to enter their first name, last name, email id, username and password that are then saved in data.txt file
* But the username and password must be validated.

**LOGIN**

Logging in is the process by which an individual gains access to a Expense Manager by identifying and authenticating themselves. The user credentials "username" and a matching "password" should be given that is verified from the data.txt file.

**USERNAME VALIDATIONS**

We have made several username validations that are checked

* emtuname - this checks whether the username is empty or not
* spachk - this checks if there is any spaces in the username
* lenuname - this checks if the length of the username shouldn’t be more than 20
* specialCharacter - checks if there are any special character except underscore

**PASSWORD VALIDATIONS**

We have made several password validations that are checked

* upperpass- checks if there’s at least one upper character in the password
* lowerpass- checks if there’s at least one lower character in the password
* numpasscheck - verifies there’s at least one number in the password
* lenpass - this confirsif the password length is more than 6
* specialCharacter - verifies there’s at least one special character

**NUMBER VALIDATIONS**

We have made several password validations that are checked

* number shouldn’t contain characters
* number should be 10 digits

**THE MAIN PAGE**

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* By pressing 1 you will be allowed to enter the username, password and the e-mail id and further will be lead to the login page.

**THE MAIN MENU**

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* By selecting the above options, one will be able to enter data to the table and can even update or revise it further.

**UPDATING EXPENSE**Text

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* By updating furthermore expense can be updated to the table.

**ADMIN**

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* In the admin block we can check the number and name of the users.

**EXCEPTION MESSAGE**

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* These are the user-defined exceptions for various exceptions related to user input