

Budget Monitoring Application

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Introduction:

Now a days we need to manage our regular budget , for monitoring budget we need to use some application. The main focus of this project is about online services for monitoring our regular budget. This is a best platform for user to maintain and note down their regular expenses and regular income. According to their regular expenses and income they can easily take decision. In this System user have an accounts (user-name and passwords ,etc). User can update everything, edit his profile data and store all income and expenses data.

Methodology:

At first user should registration by their own email with return a verification mail. If any user forget their password then they can reset their password . A verification email will go to their account and then they can reset their password. User can see the login page ,after successfully login to the system a nice dashboard will come out . There are some input field to post the data from user. if user want to add some amount as his/her income then he/she could select the add(+) button and fill the description and amount field. Pressing submit icon the description and the amount data will shown in the income list , same for expense list out. when user want to store some expenses data in her/his list he/she follow the same rules as income list. After submitting the income and expenses data the amount field will

auto update . User can delete data from income and expenses from the list by pressing cross icon(X). A regular statement will provide also in the system. To show the statement user need to goto to the statement screen which provide in the right site of the dashboard screen. User can see some more option when they press their account avatar. They can update their account password from the change password screen. They can Update their old password with a strong verification email. User can delete their own account from the account screen. A logout button will provide to logout from the application.

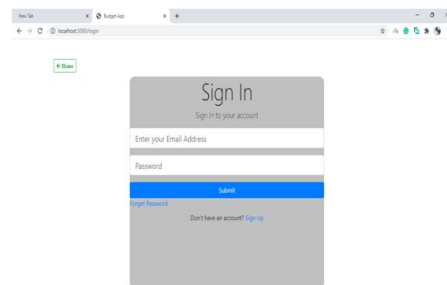


Fig: Sign in page

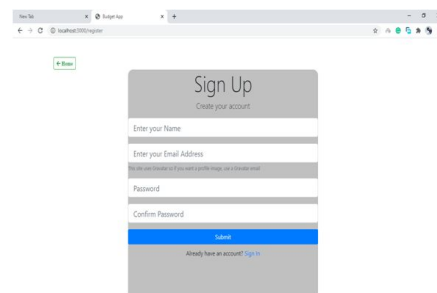


Fig: Sign in page

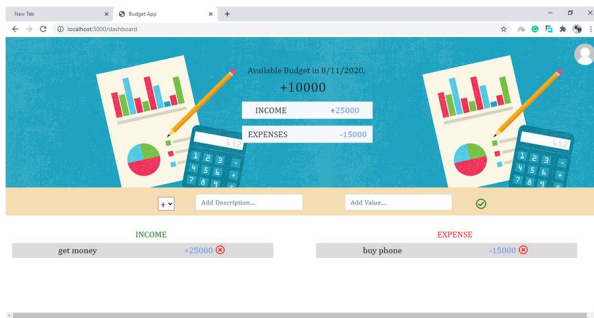


Fig:Dashboard

In this project we follow waterfall model. First we collect requirements then we analyze those requirements. Then we design our application, then we start the main steps of the project which was implementation. In this step we use many tools. We used MongoDB cloud like mLab for database management.

We used Node.js for backend service and for frontend we use React.js to interact with user. Then we merge frontend with backend using some third-party package which is provided by npm (Node Package Manager). After implementation we verify our application and finally we maintain it.

Tools and Technologies:

HTML, CSS, JavaScript, Node.js, React.js, mLab, VS Code

Final Result:

After completing our project, we test it from different devices and it shows the correct results for every device.