Control Budget Website

A Synopsis

Objective/ Aim:

This project aims at developing a simple expense manager responsive website that can be used by all for tracking their expenses accordingly. The website can be used to plan out the expenses for a group of people. The user can add the initial budget for the expenses and give it a title accordingly. Further, the user can also add bills under the given budget and track her expenses accordingly.

Software Requirements:

- Operating System: Windows 10
- Web Technologies: Html, php, CSS, Bootstrap
- Web Server: Wampserver
- Database: MySQLi
- Software: NetBeans IDE , phpMyAdmin

Navigation Structure:

The website contains the following navigation structure.

1. Index Page
   - *Start Today* button
   - Navigation Bar
     1) About us link
     2) Sign up link
     3) Login link

2. Sign up Page
    - Registration Form
        1) Name field
        2) Email field
        3) Password field
        4) Phone number field
3. Login Page
    - Login form
        1) Email field
        2) Password field
4. About Us Page
    - Contact details
    - Information about developers and website
5. Home Page

For logged out user

    - Panel having portal for creating new plan

For logged in user

    - Panels showing existing plans
        1) Title of the plan
        2) Budget
        3) Date
    - Navigation Bar
        1) About us link
        2) Change password link
        3) Log out link
6. Create New Plan Page
    - Form to create new plan
        1) Initial budget of plan
        2) Number of people
7. Plan Details Page
    - Form to fill form details
        1) Title
        2) Starting date

3) Last date
4) Initial budget
5) Number of people
6) Name field for each person

8. View Plan Page
   - Panel showing plan details
     1) Title
     2) Initial budget
     3) Remaining amount
     4) Date
   - Expense Distribution button - To open *Expense Distribution Page*
   - *Add New Expense* form
     1) Title of expense
     2) Date
     3) Amount spent
     4) Select name field
     5) Portal for uploading bill
   - Panel showing expenses if exist
     1) Title
     2) Amount spent by person
     3) Person name
     4) Date of transaction
     5) Link to the bill
9. Expense Distribution Page
   - Panel showing expense details
     1) Title of plan
     2) Initial budget
     3) Amount spent by each individual
     4) Total amount spent
     5) Remaining amount
     6) Individual shares
     7) Amount each person owes or gets back
10. Change Password Page

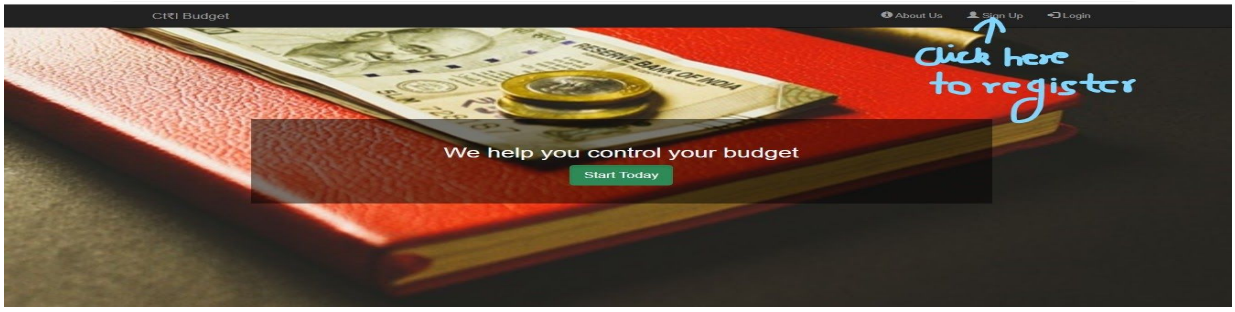
- Form to reset password
    1) Old password field
    2) New password field
    3) Confirming new password field

Functional Description:

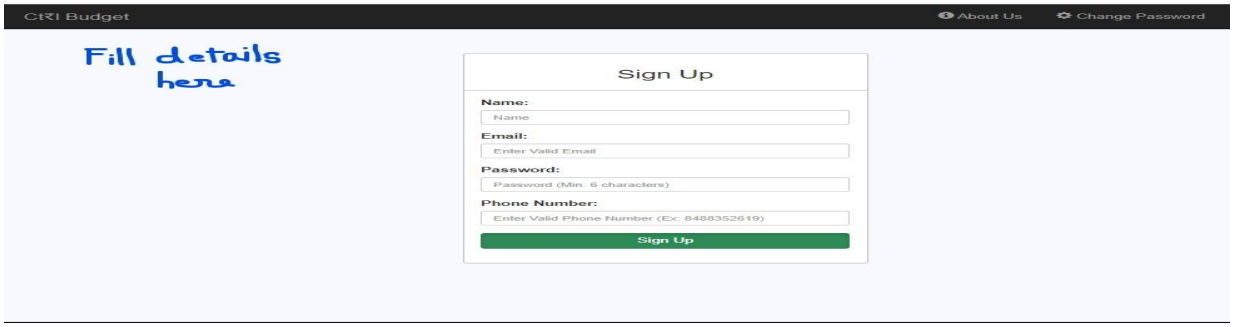
- Everybody has access to the Index page. Registration is offered.
- Logged in users can create plans, add friends, view plan details, add expenses, upload bills, analyse individual shares and change passwords.

Guidelines for new users

Index Page



Signup Page

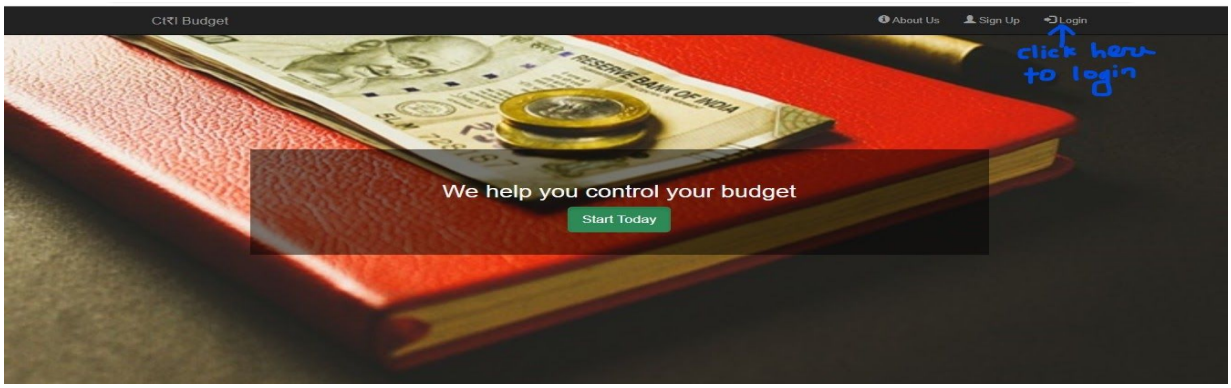


Home Page

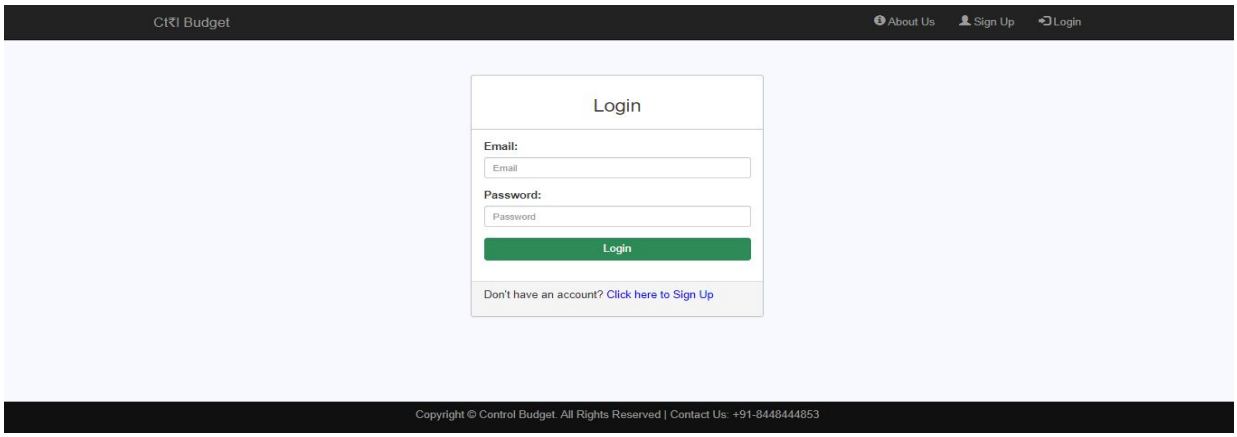
Guidelines for registered users

For logged out users

Index Page

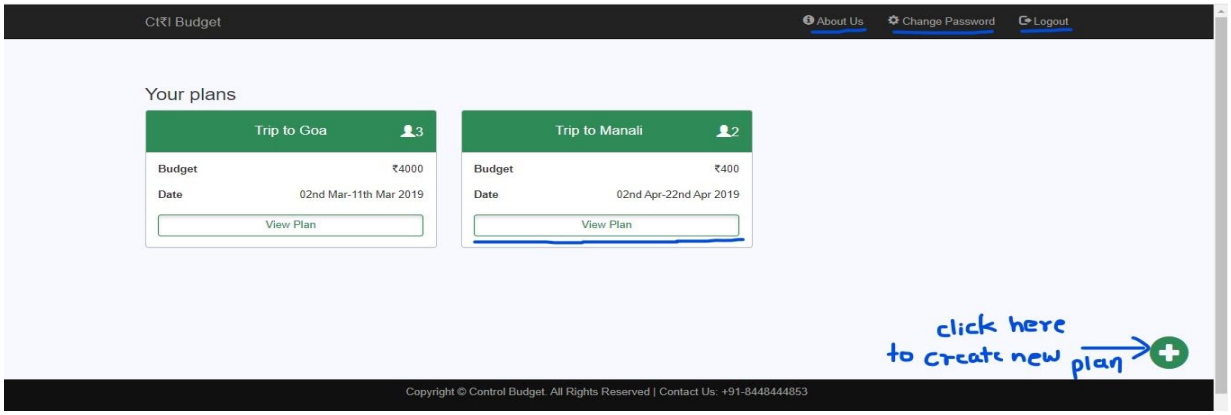


Login Page

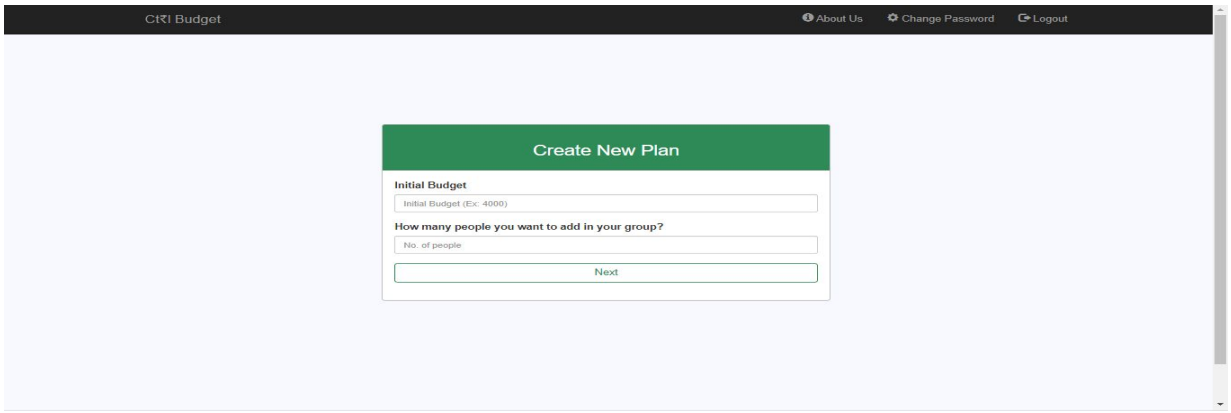


For logged in users

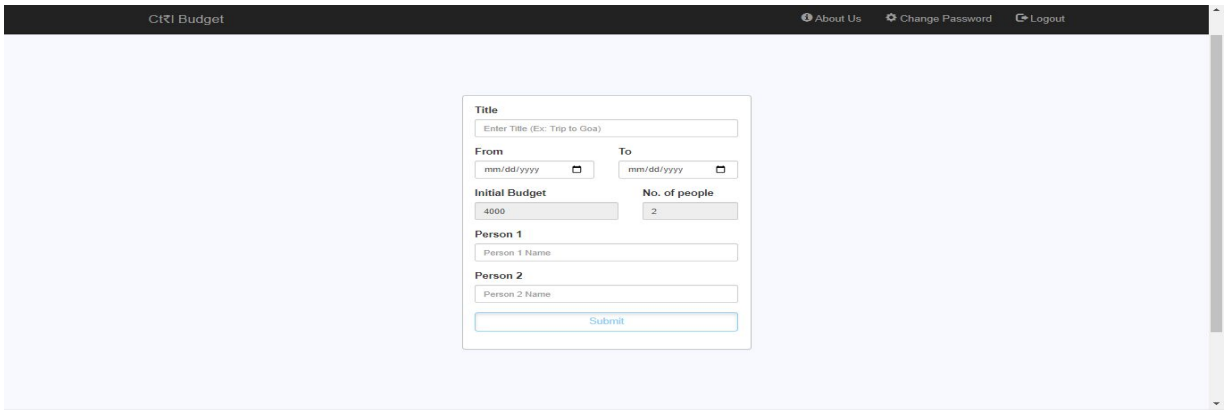
Home Page



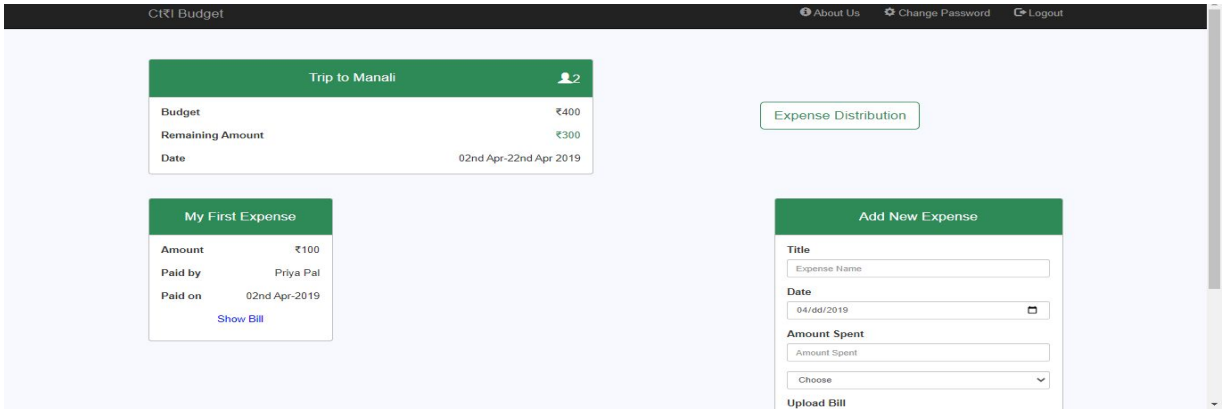
Create New Plan Page



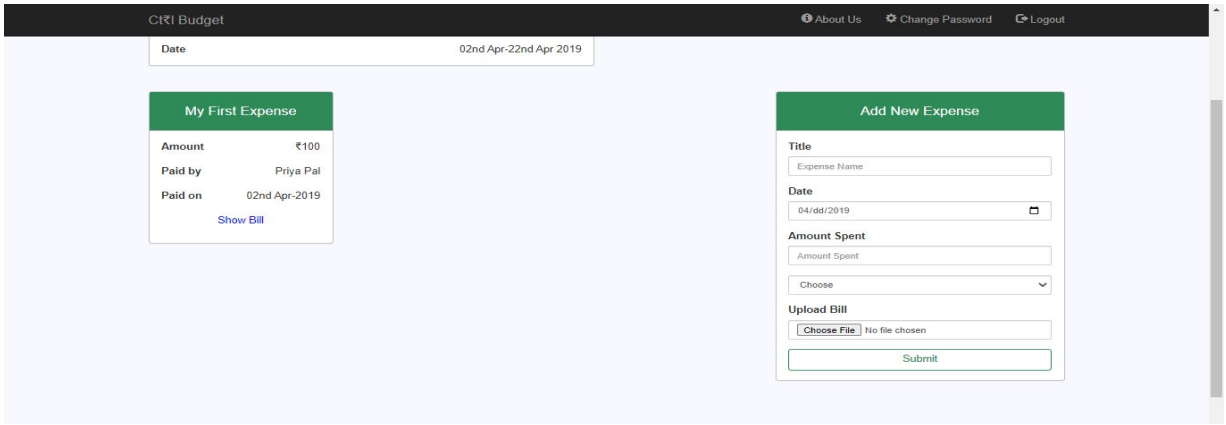
Plan Details Page



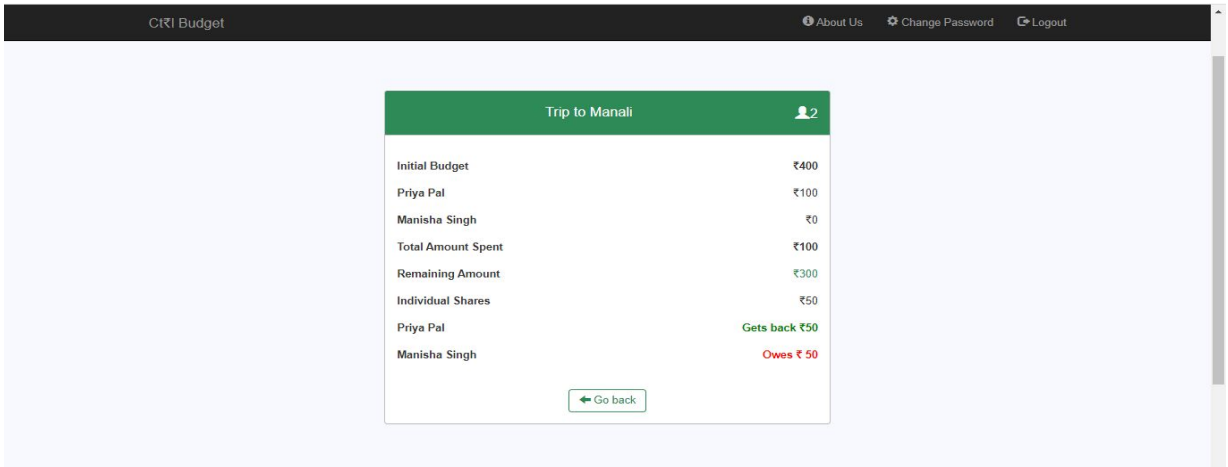
View Plan Page



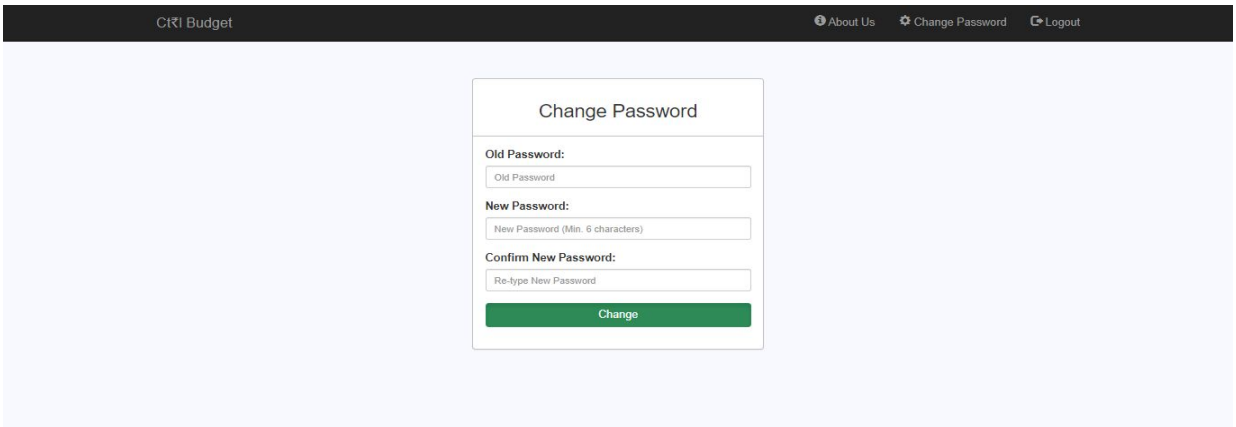
Add New Expense Page



Expense Distribution Page



Change Password Page



Project Work:

Coding part

The project contains following coding files -

- CSS folder - Contains all the images used in project.
    1) index.css - Contains styling elements of website.
- Includes folder - Contain code files which are common in other files.
    1) header.php - Contains code for navigation bar.
    2) footer.php - Contains code for footer of pages.
    3) duration.php - Contains function to change format of date.
- index.php - This file contains code for *index page*.
- home.php - This file contains code for *home page*.
- about_us.php - This file contains code for *about us page*.
- signup.php - This file contains code for *sign up page*.
- signup_script.php - This file has a script to save data in database and backend validations for sign up form.
- login.php - This file contains code for *login page*.
- login_submit.php - This file has script to match data from database and backend validations for login form.
- create_new_plan.php - This file contains code for *create new plan page*.

- plan_details.php - This file contains code for *plan details page*.
- plan_submit.php - This file has a script to save data in database for plan details form.
- view_plan.php - This file contains code for *view plan page* and *add new expense page*.
- view_plan_submit.php - This file has a script to save data in database for add new expense form.
- bill.php - This file contains code for showing uploaded bill.
- expense_distribution.php - This file contains code for *expense distribution page*.
- change_password.php - This file contains code for *change password page*.
- change_password_script.php - This file has a script to change password, save it in the database and backend validations for change password form.
- logout.php - Contains code to logout by destroying current session.

Database

- Name of data base - budget
- Use - Data collected from all the forms in website is stored in this database.
- Tables - users, users_plan, users_group, expense
- Table structure -
    - ❏ users (parent table) -> users_plan (child table)
    - ❏ users_plan (parent table) -> users_group (child table)
    - ❏ users_group (parent table) -> expense (child table)

users table

id	name	email	password	contact
Primary auto_increment key	Name of registered user Type - varchar	Email of the user Type - varchar	Used md5 for encryption Type - varchar	Phone number Type - bigint

Type - integer				

users_plan table

id	user_id	title	start_date	end_date	initial_budget	no_of_people
Primary auto_increment key Type - integer	Foreign key Type - integer	Type - varchar	Type - date	Type - date	Type - Integer	Type - integer

users_group table

id	plan_id	name	total_amount_spent
Primary auto_increment key Type - integer	Foreign key Type - integer	Name of group member Type - varchar	Type - integer

expense table

id	person_id	title	date	amount_spent	bill
Primary auto_increment key Type - integer	Foreign key Type - integer	Type - varchar	Type - date	Type - integer	Can be null Type - varchar

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