Use Case Explanations – The Budget app

Travel Team Expense Tracking -

An advertising team manager is budgeted $2,000 for a month-long guerilla advertising campaign. The team manager can utilize the budget app to help their team monitor the group budget as a crew and increase communication and transparency among team members. The team manager can arrive at the budget app home page where they will be greeted by a list of accounts for their business. The team manager would then create an account by setting a budget of $2000, naming it the Guerilla Budget, adding themselves as the admin/initial member, and their name/email. Clicking the create account button will add the account to the database and redirect the manager to the account administrator home page. This administrator home page will have a list of members, a list of transactions, and some information on the current budget. There will also be buttons to add members to the account, edit transactions, delete members from the account, and to close the account. The team manager can then add the members to the account using the add member button. The administrator will create a username for the member, who will be granted access with a correct username and pin entry. From this point the manager has created the account, set the budget and added the members and finally our manager will give the credentials to the team members.

A team member for the Guerilla budget would access the same accounts list home page but would select to login to the desired account(Guerilla Budget) instead of creating a new account. When the user tries to access the account they will be prompted to enter their credentials which will be a username and pin number given by the account administrator. When successfully accessing the account the account member will see a transaction table and information regarding the total budget of the account. Account members will also have a button to add a transaction to the transaction list on the account member page.

The account administrator can freely add/remove members from the account and update the total_budget. The administrator is responsible for updating an account balance if it falls negative or updating/closing the account.

Family Budget Planning -

The leader of a family needs to take the reigns on family expenditures, but they all live across the country from eachother. In order to track family member expenses on the family account this household is making all the family members sign up for the budget app. The leader of the household creates the account and sets the budget, $500 for the entertainment budget this month. They then add each family member to the account and inform them to log their entertainment purchases to the database for the stated time frame. When the $500 runs out, the family can go back and check the transaction tables and see which members of the family are partying a little to hard and who's been well behaved and modest.

The family members would all be added by the account creator and would select their 'entertainment' budget from the accounts list. Access the entertainment account with the correct pin number and log their expenses to the database. The database takes the cost of the transaction and a short description, and also pulls the data of the current member and account id to autopopulate the add transaction form.

The leader of the household can set up multiple budgets for the family as well, for instance a groceries/bills budget where only the parents are active members, but the entertainment account includes the kids and is how the parent's like to track allowances or monthly service accounts that provide entertainment.