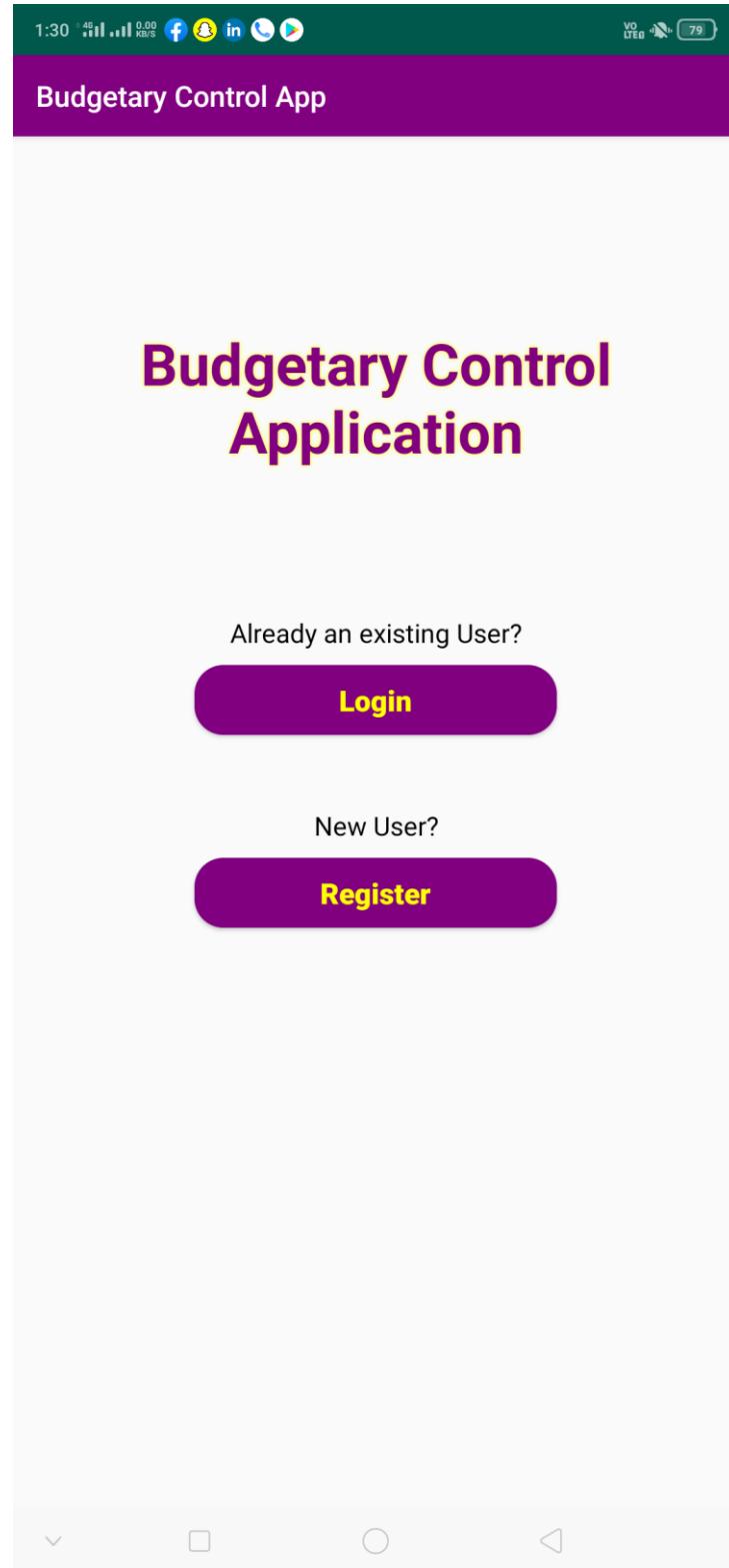
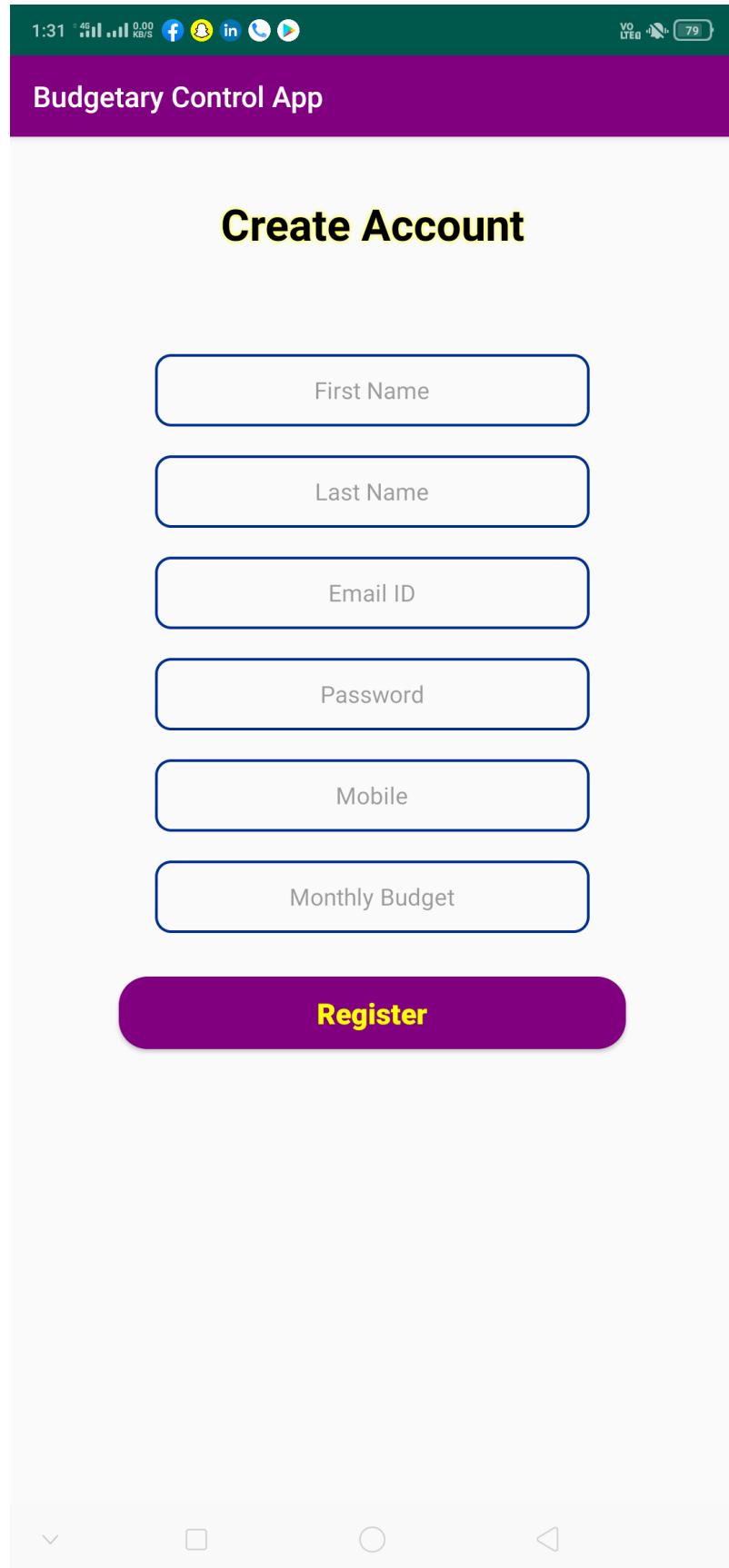
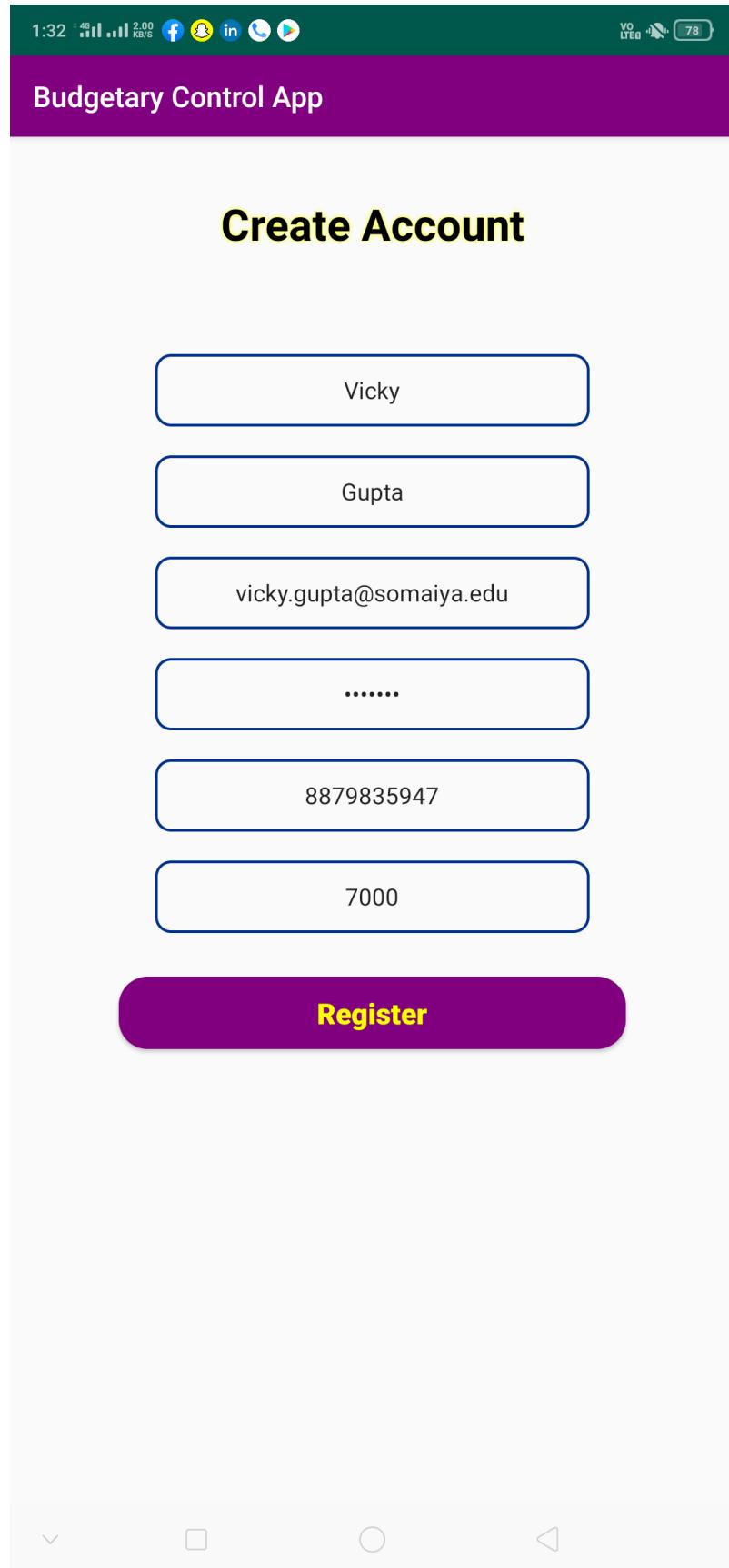
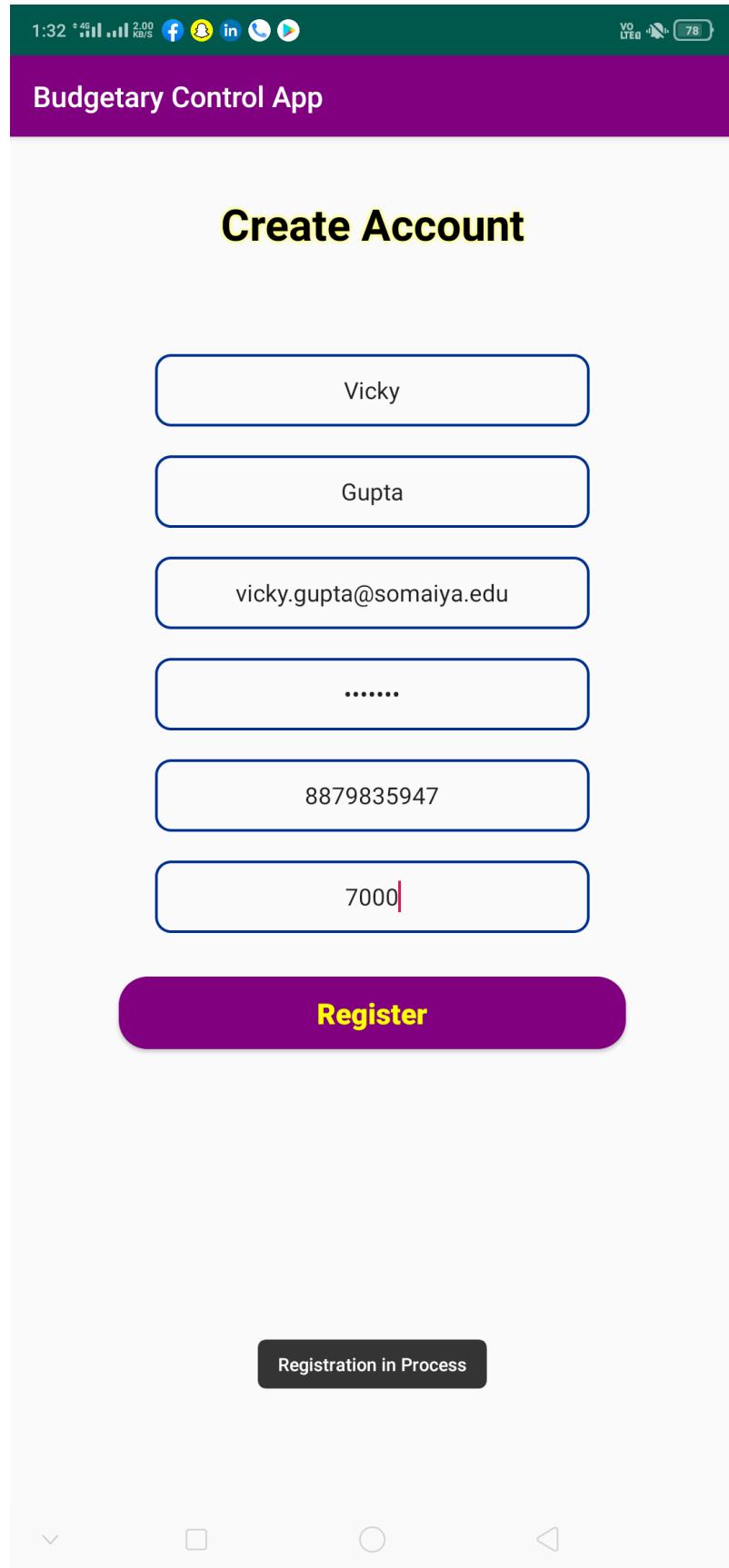


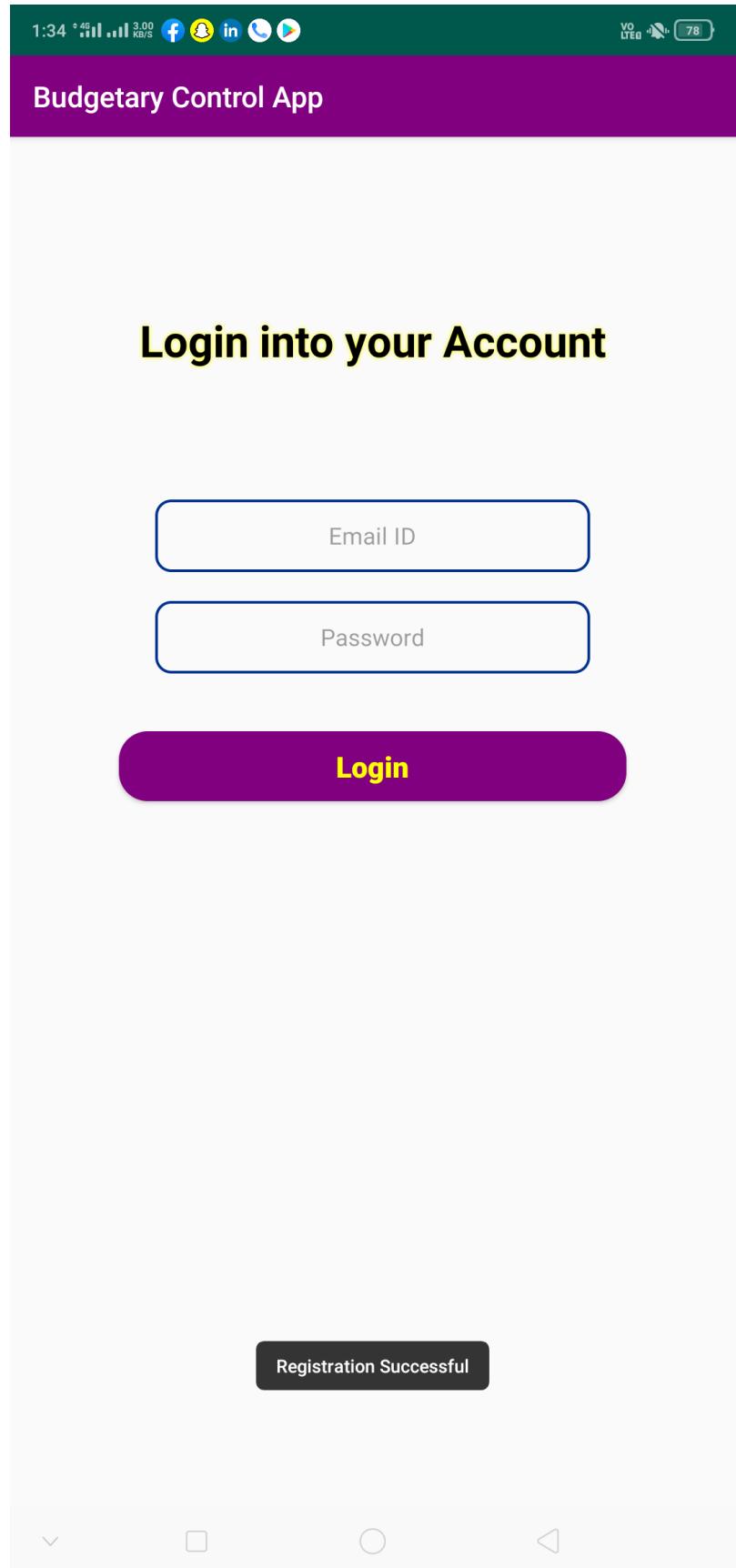
GUI & Output –







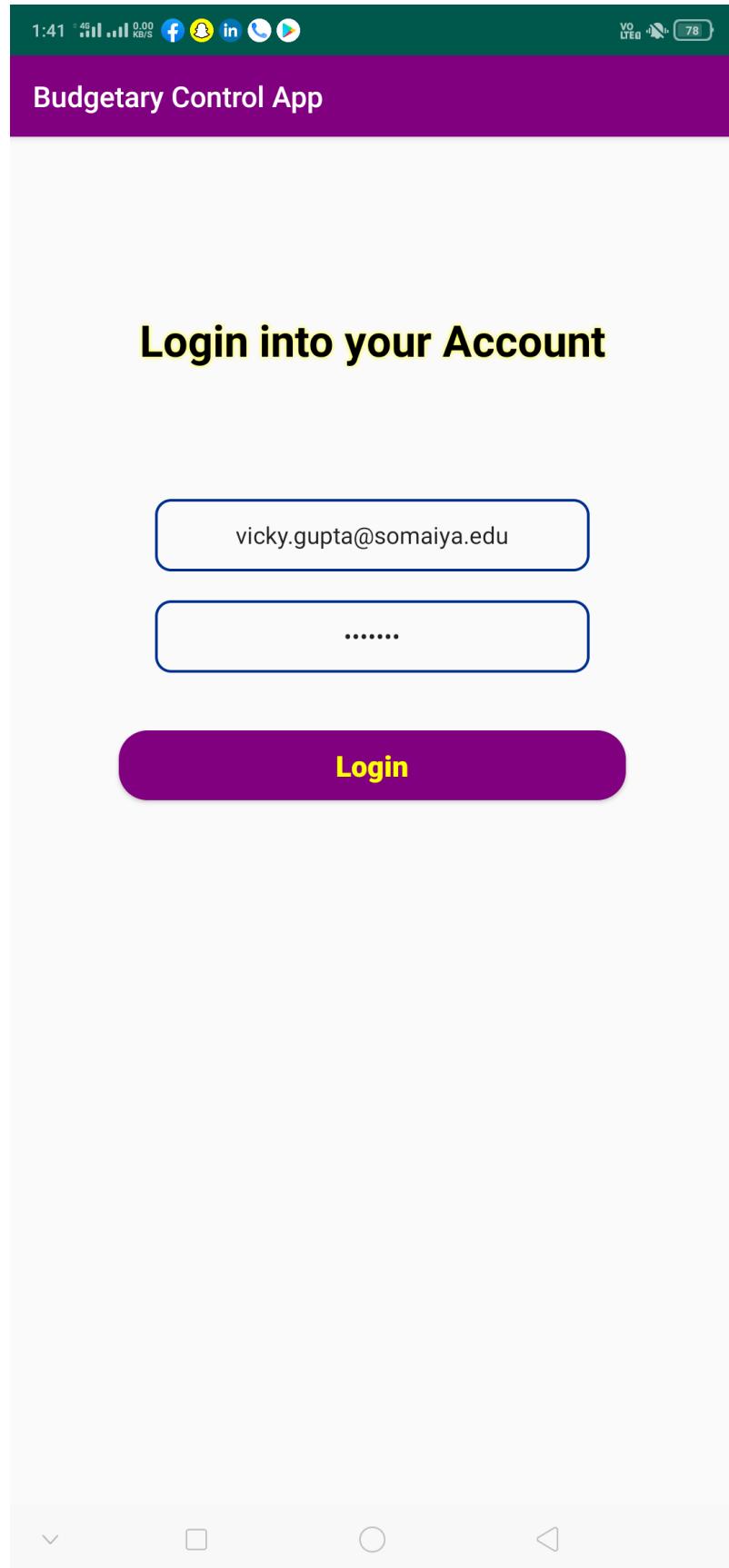


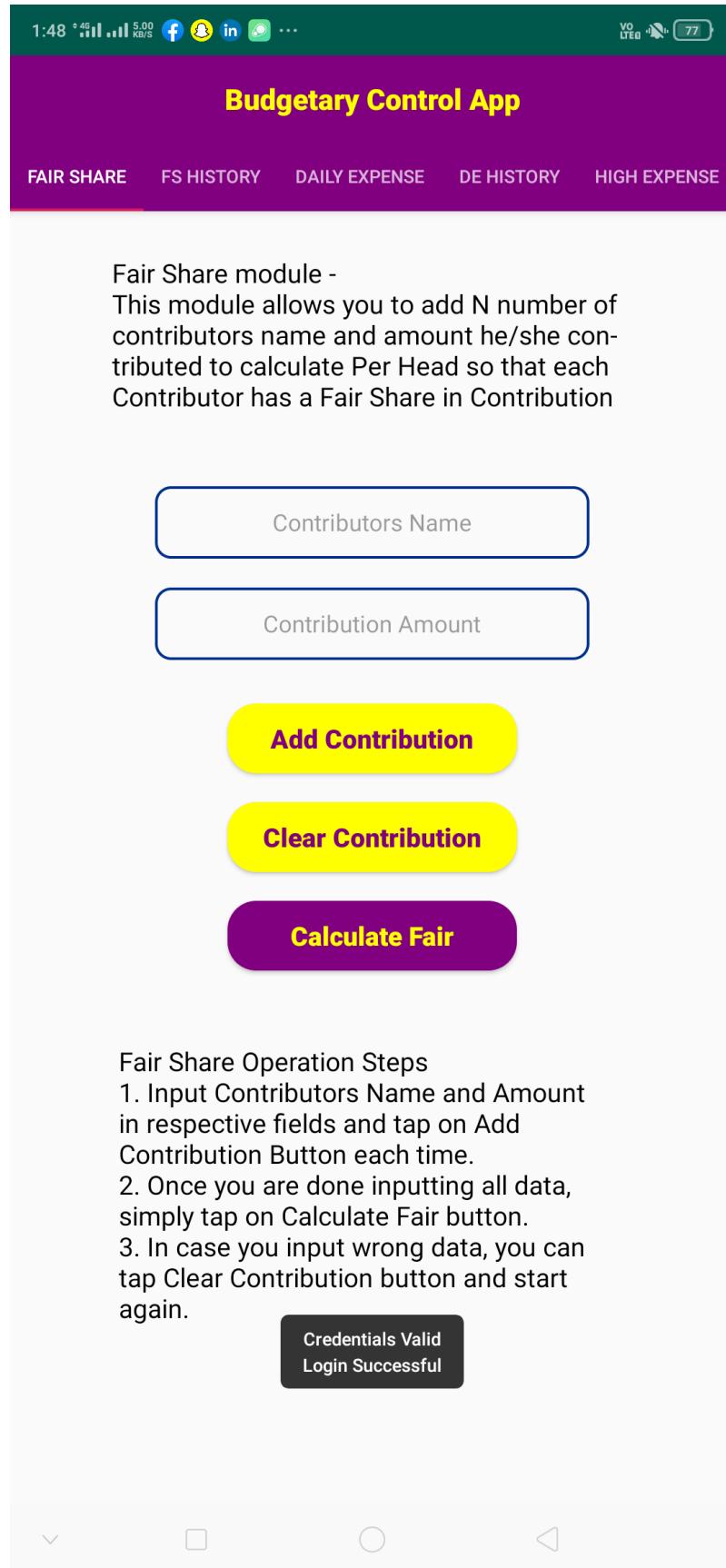


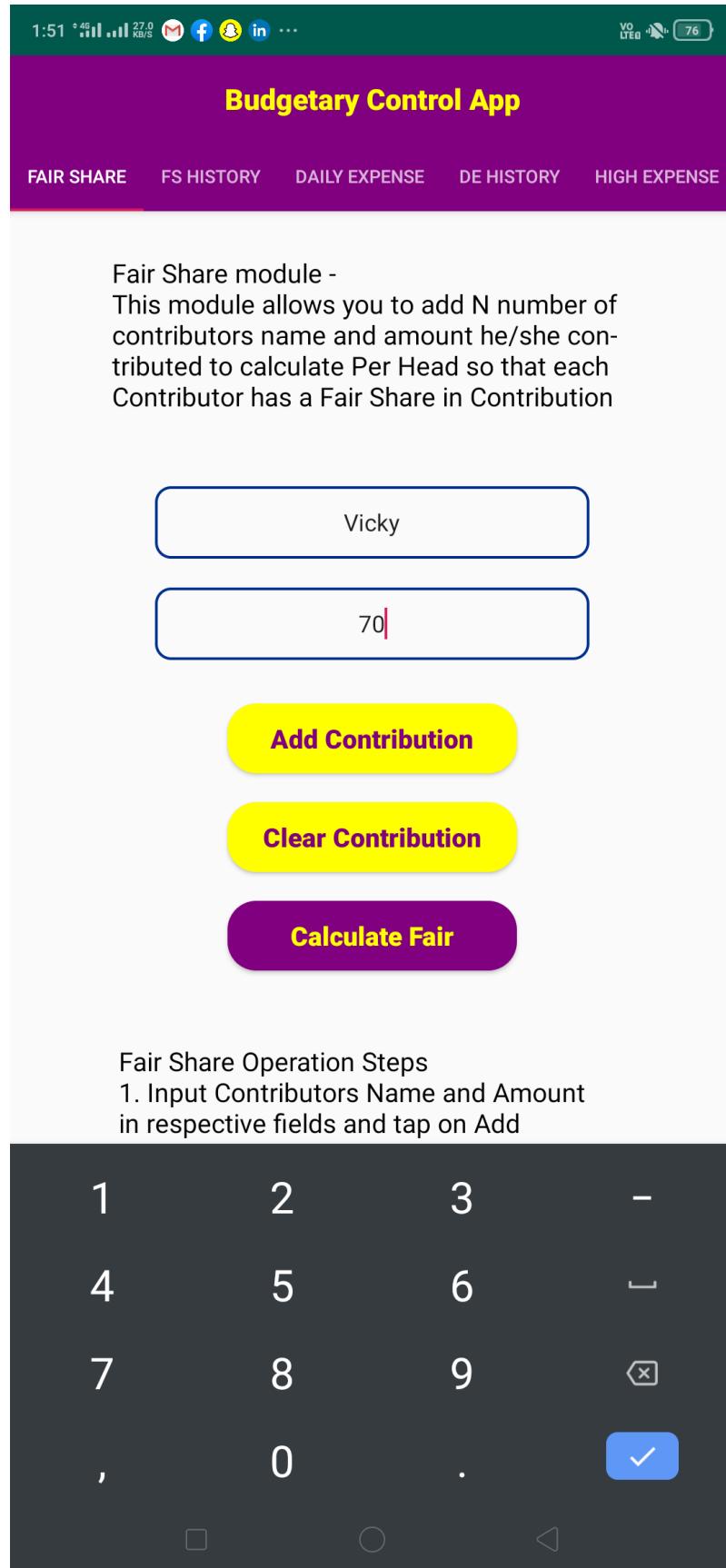
The screenshot shows the Firebase Authentication console for the project "BCAFirebaseProject". The "Users" tab is selected. A search bar at the top allows searching by email, phone number, or user UID. Below it is a table with columns: Identifier, Providers, Created, Signed In, and User UID (with an upward arrow). One user is listed: vicky.gupta@somaiya.edu, with a provider icon, created on Jul 10, 2020, signed in on Jul 10, 2020, and a user UID of XnKbs8uekUgovSwlw3uP2MN0ZFC. At the bottom right of the table are buttons for "Rows per page" (set to 50), "1-1 of 1", and navigation arrows.

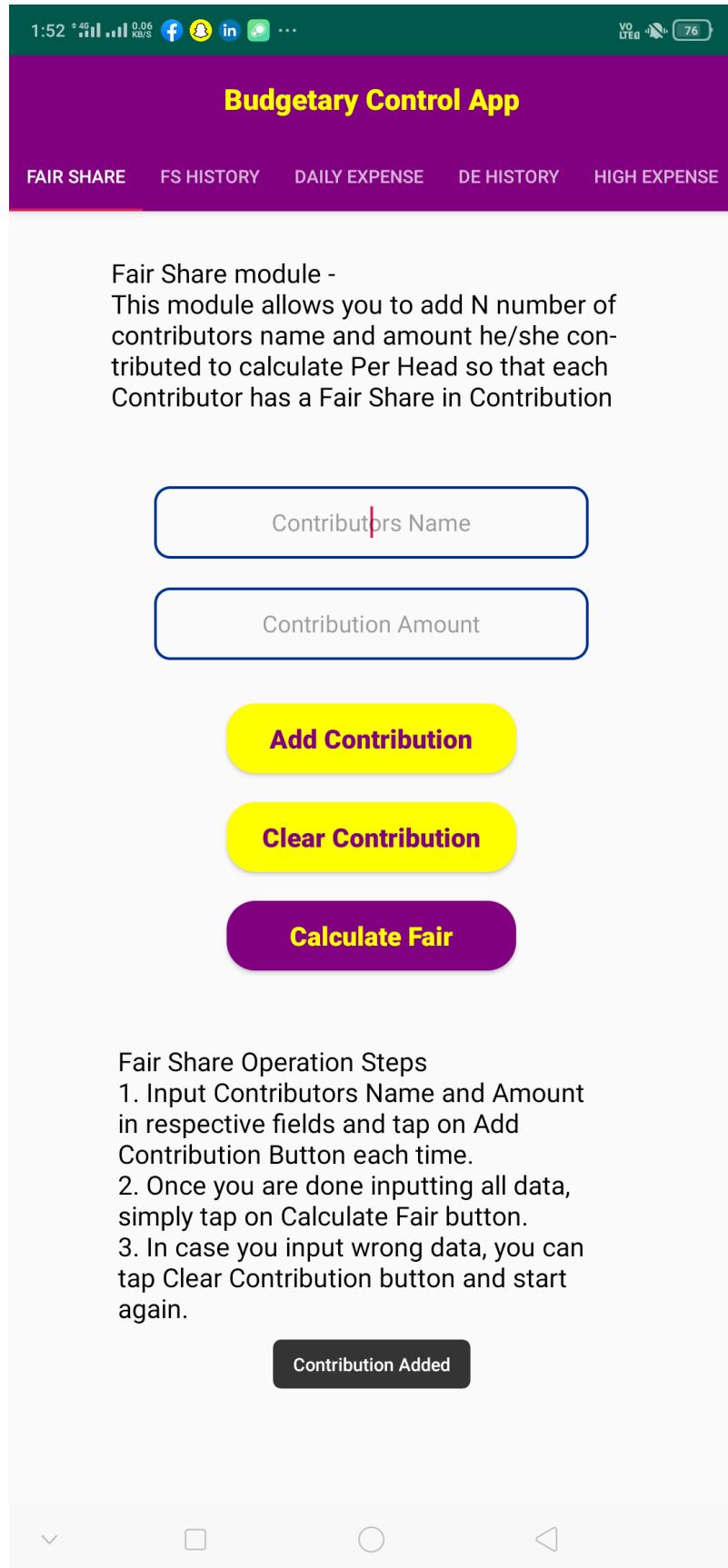
The screenshot shows the Firebase Realtime Database console for the project "BCAFirebaseProject". The "Data" tab is selected. It displays a tree view of the database structure under the root "bcafirebaseproject-676c7". The "users" node contains a child node "-MBpAMFtmXxrkDvc3QF" which has the following data:

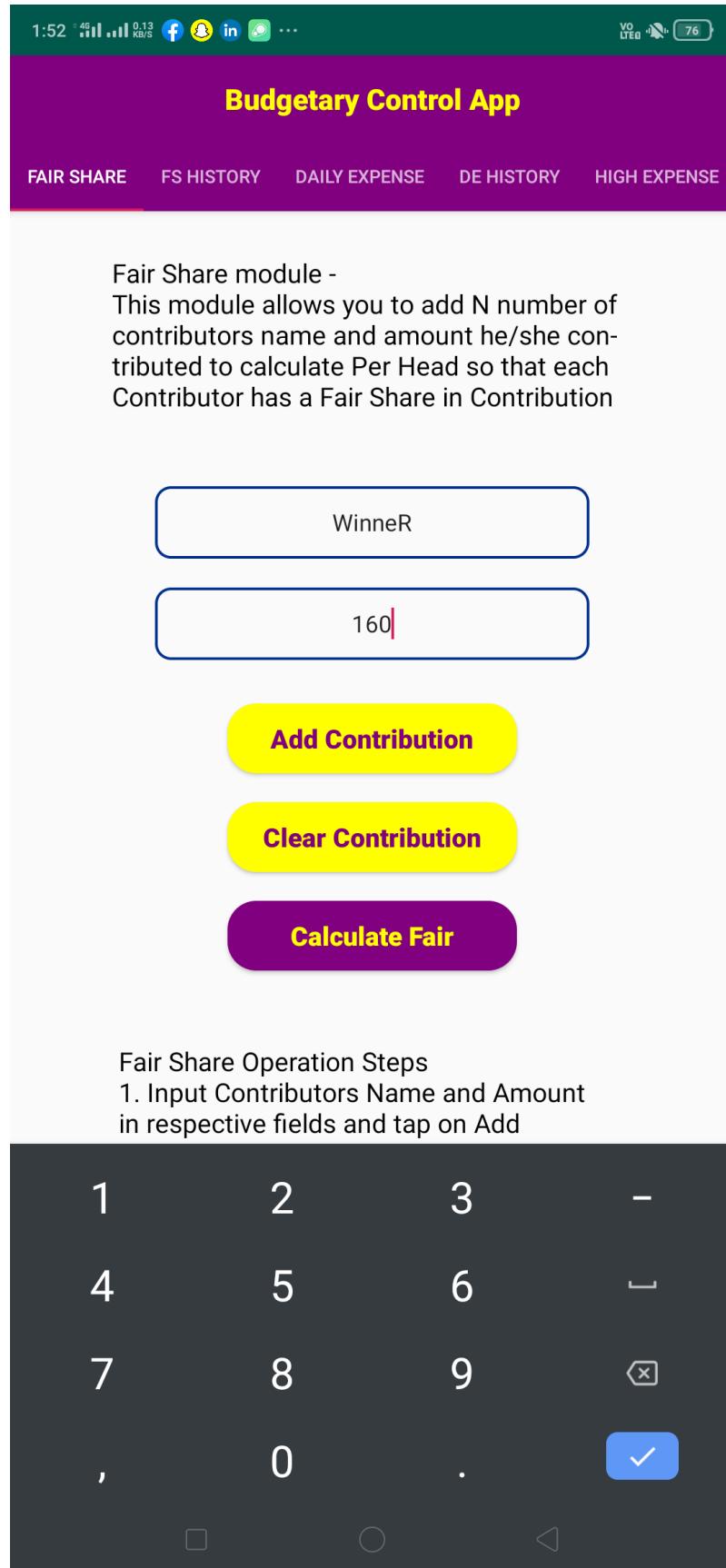
- userContact: "8879835947"
- userDate: "10-07-2020"
- userEmail: "vicky.gupta@somaiya.ed"
- userFirstName: "Vicky"
- userIDOriginal: "XnKbs8uekUgovSwlw3uP2MN0ZFC"
- userLastName: "Gupta"
- userMonthlyBudget: "7000"
- userPassword: "16vicky"
- userTime: "01:34:03"

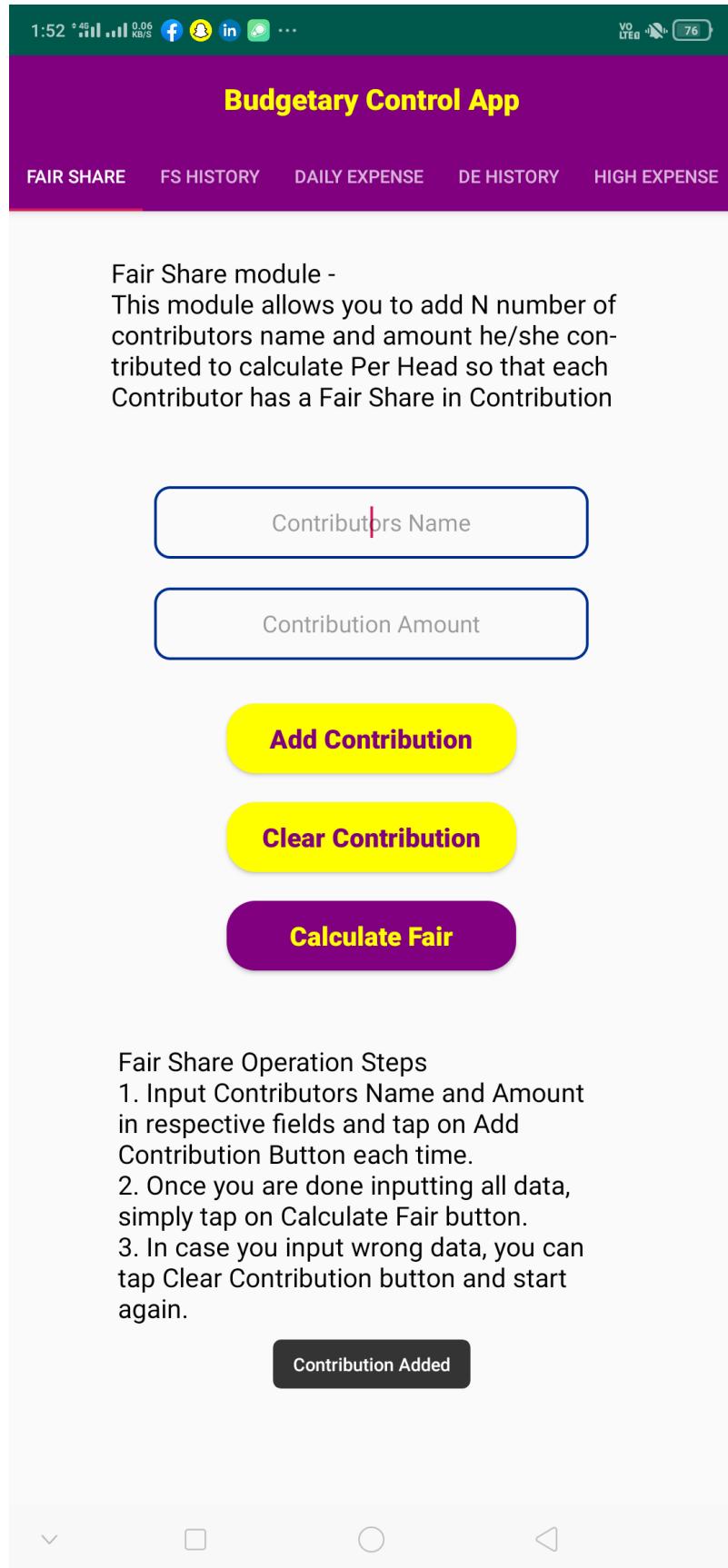


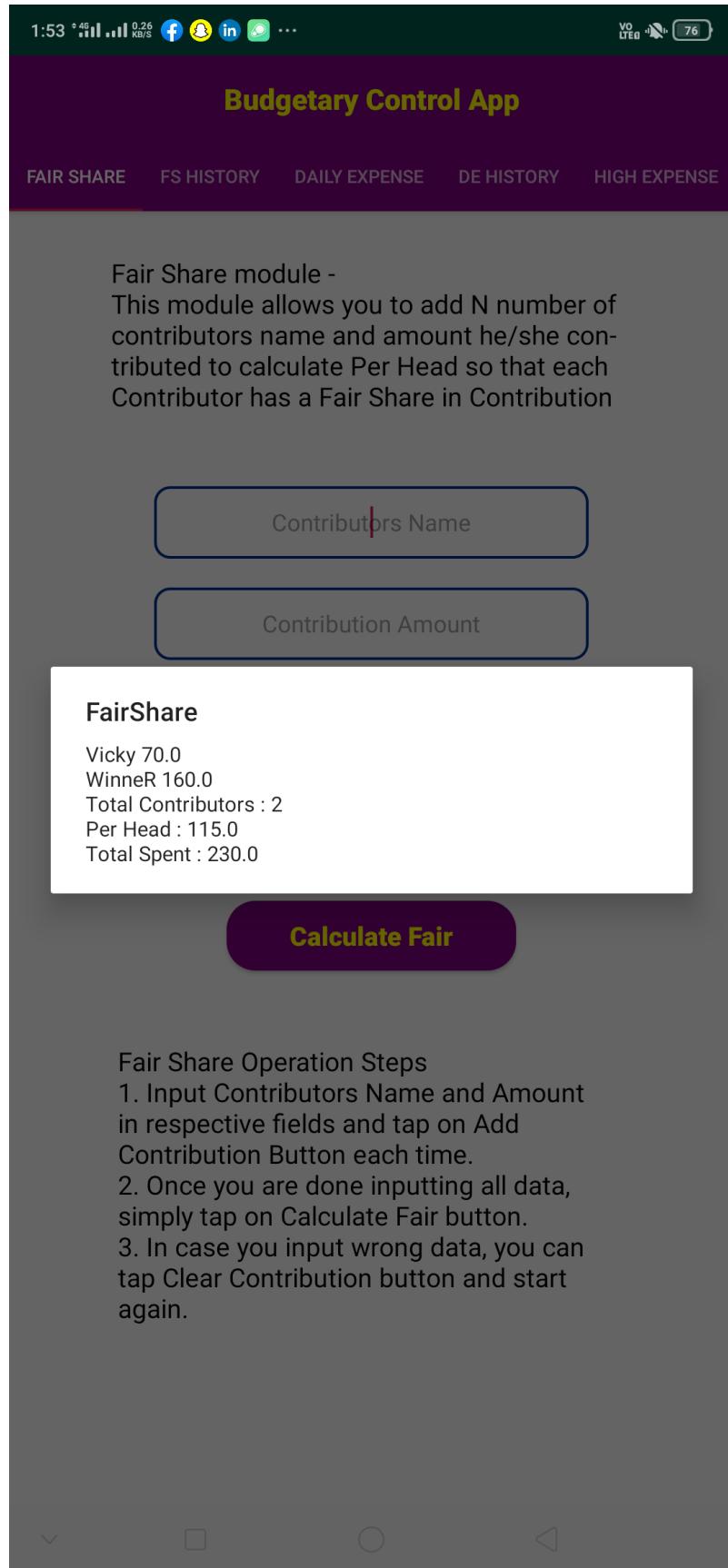










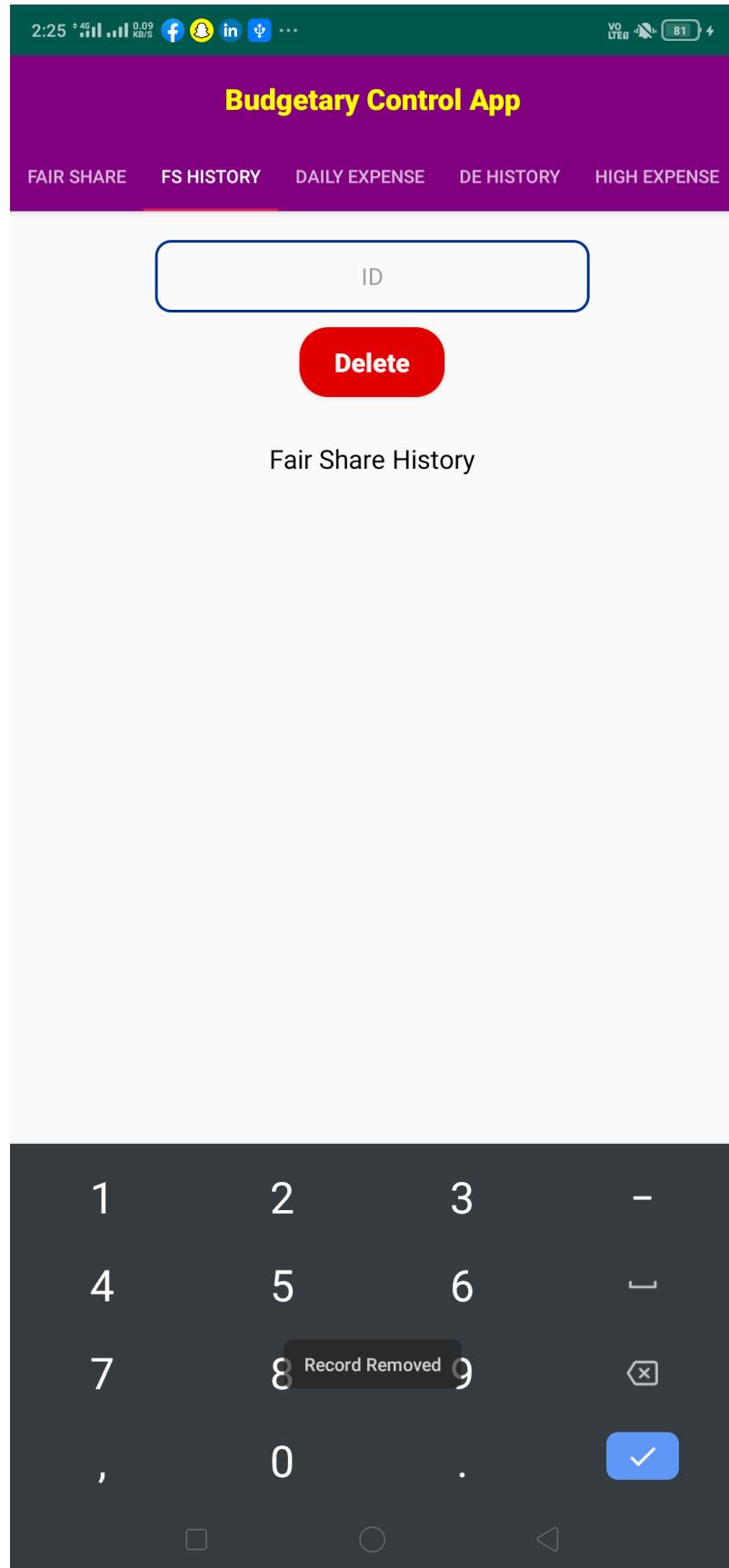


The screenshot shows the Firebase Realtime Database interface for the project "BCAFirebaseProject". The database structure is as follows:

- Root level:
 - `FairShareData`: A child node containing a single item with key `-MBpEh83H-NJ24AMjJu`.
 - `users`: A child node.
- `-MBpEh83H-NJ24AMjJu` node:
 - `controlInfo`: A child node containing:
 - `Vicky: 70`: A child node containing a child node `WinnerR: 160` with a value of 160.
 - `date: "10-07-2020"`: A child node.
 - `fsid: 1`: A child node.
 - `perHead: 115`: A child node.
 - `time: "01:53:01"`: A child node.
 - `totalContributors: 2`: A child node.
 - `totalExpense: 23€`: A child node.
 - `userIdfk: "XnKbs8uekUgovSwlw3uP2MN0ZF(`: A child node.





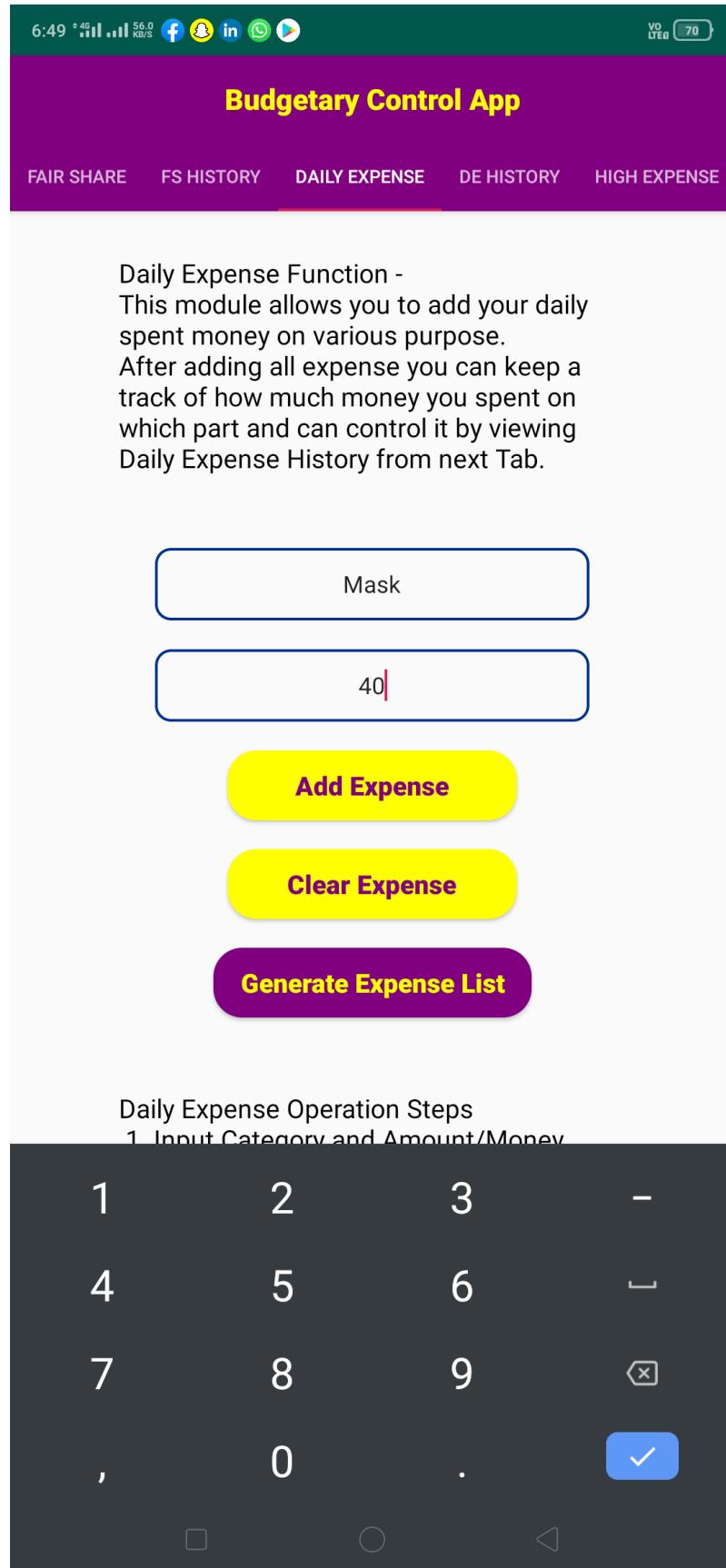


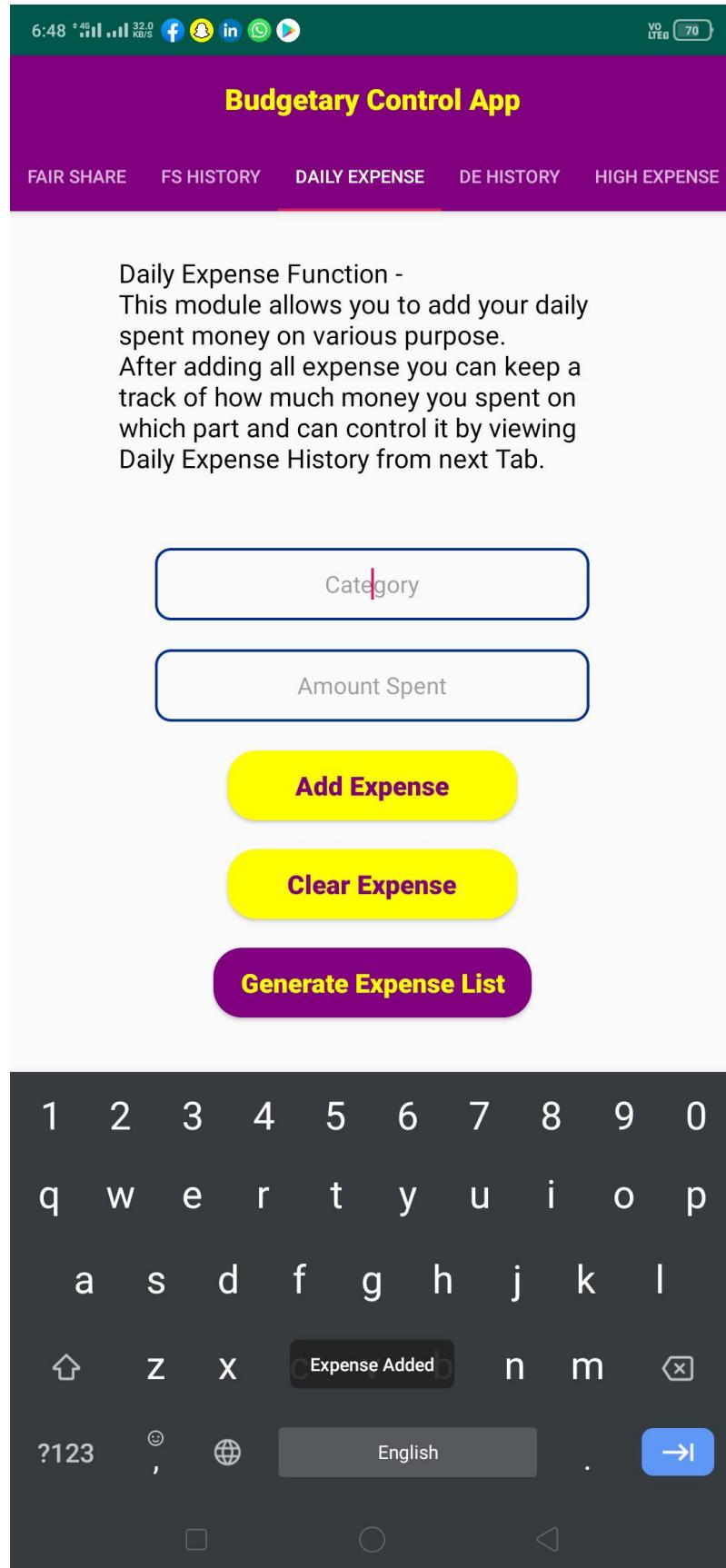
The screenshot shows the Firebase Realtime Database console for the project "BCAFirebaseProject". The left sidebar contains navigation icons for Home, Settings, Data, Functions, Storage, and Cloud Firestore. The main header includes the project name "BCAFirebaseProject", a dropdown for "Realtime Database", and links for "Go to docs", a user profile, and help.

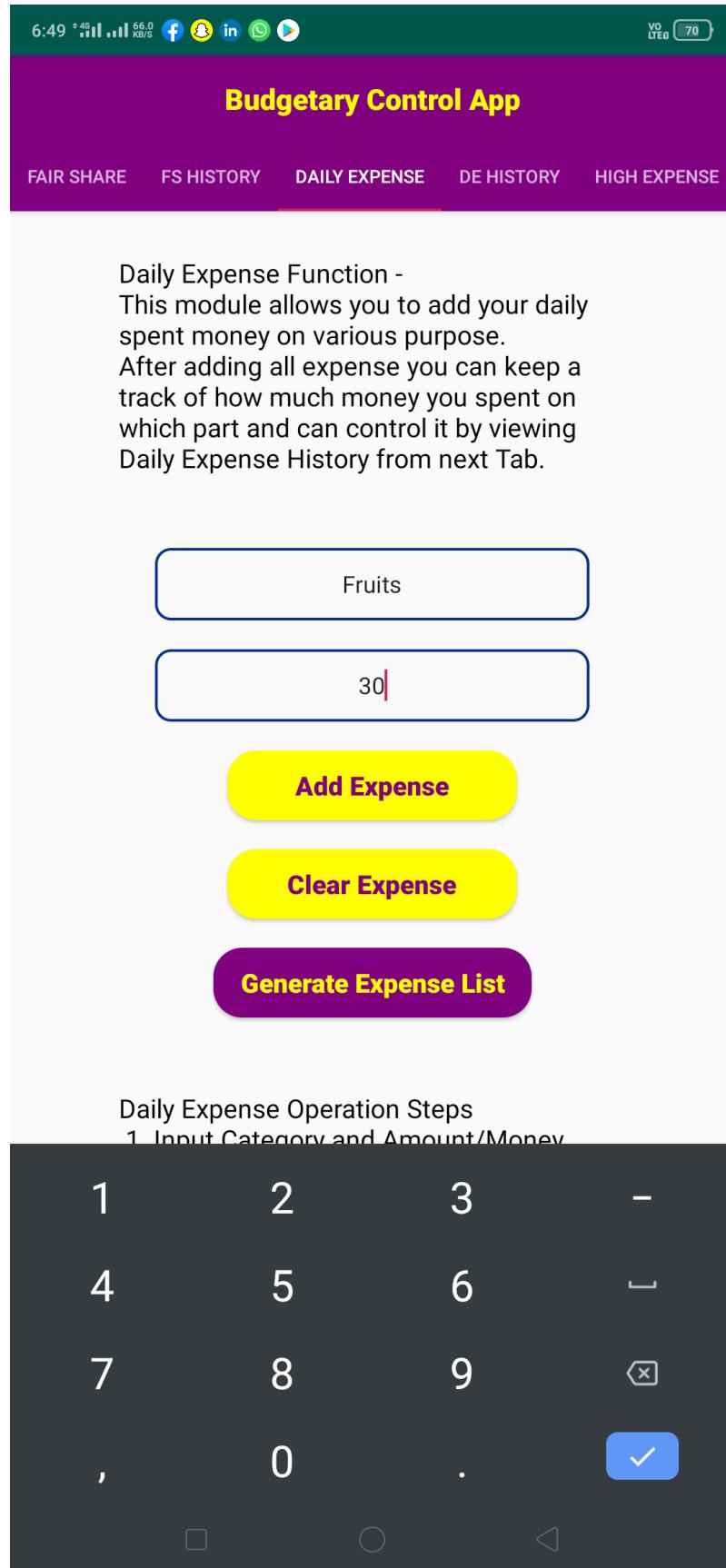
The top navigation bar has tabs for "Data", "Rules", "Backups", and "Usage".

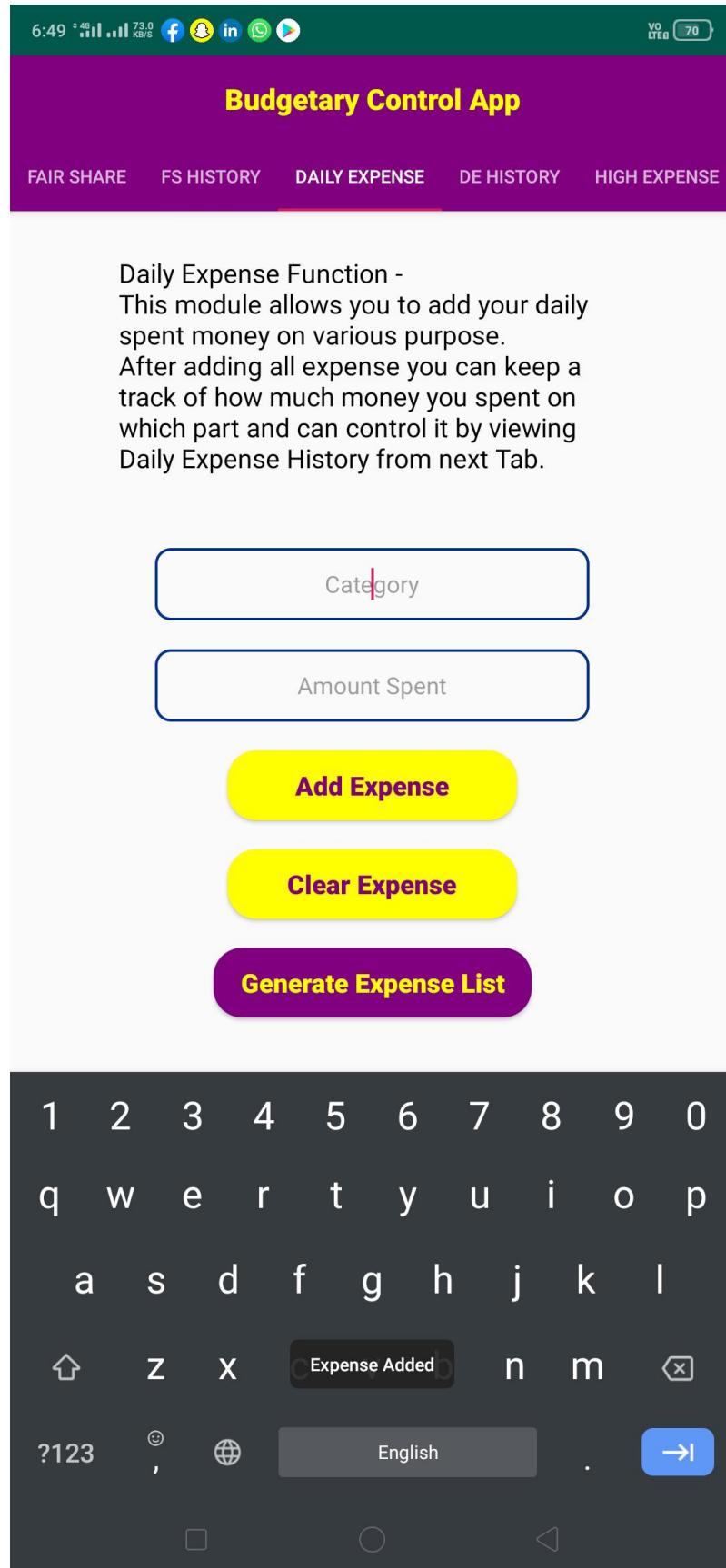
The main content area displays the database structure:

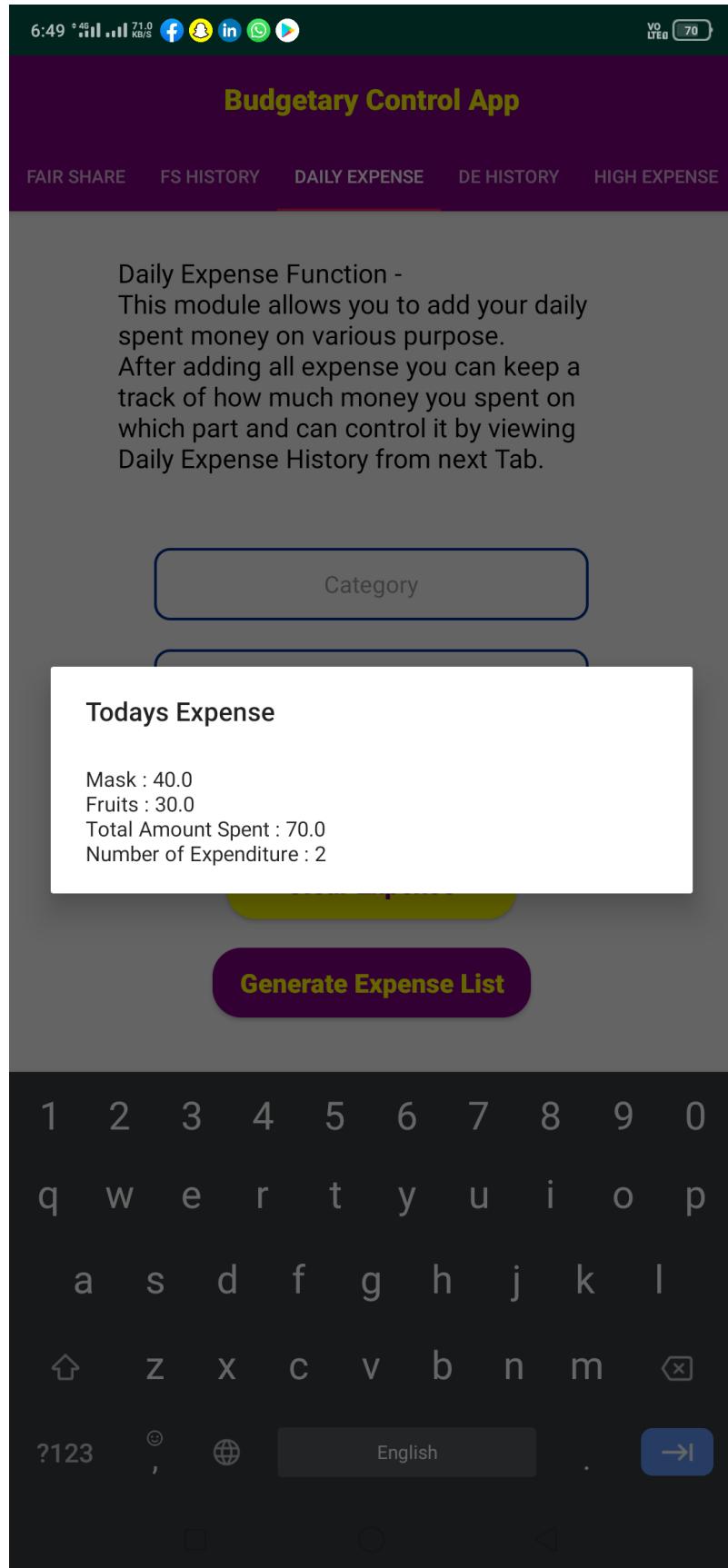
- Root level:
 - A link to the database URL: <https://bcafirebaseproject-676c7.firebaseio.com/>
 - Three icons for adding, deleting, and more options.
- Child node "bcafirebaseproject-676c7":
 - A plus icon for adding a new child node.
 - Child node "users".









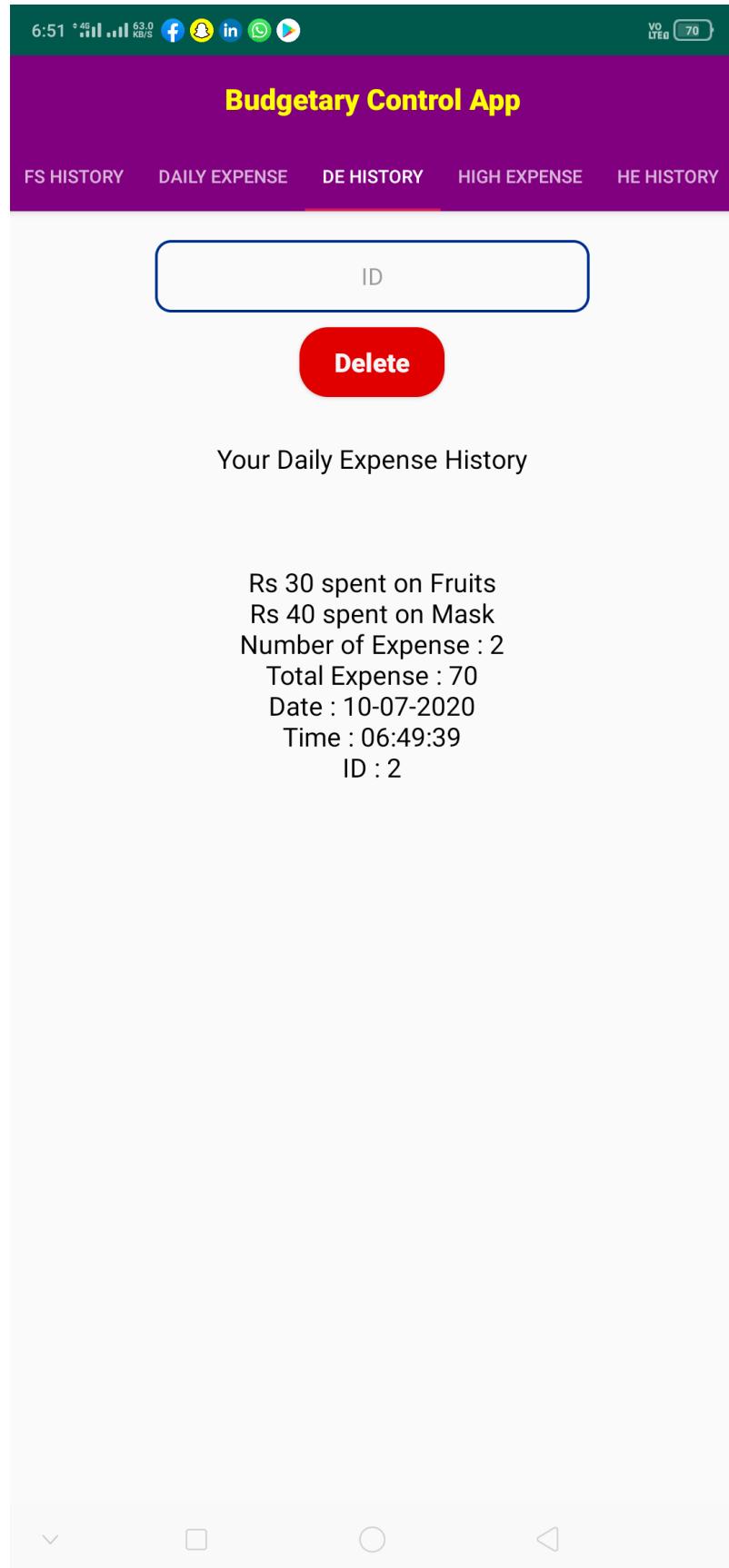


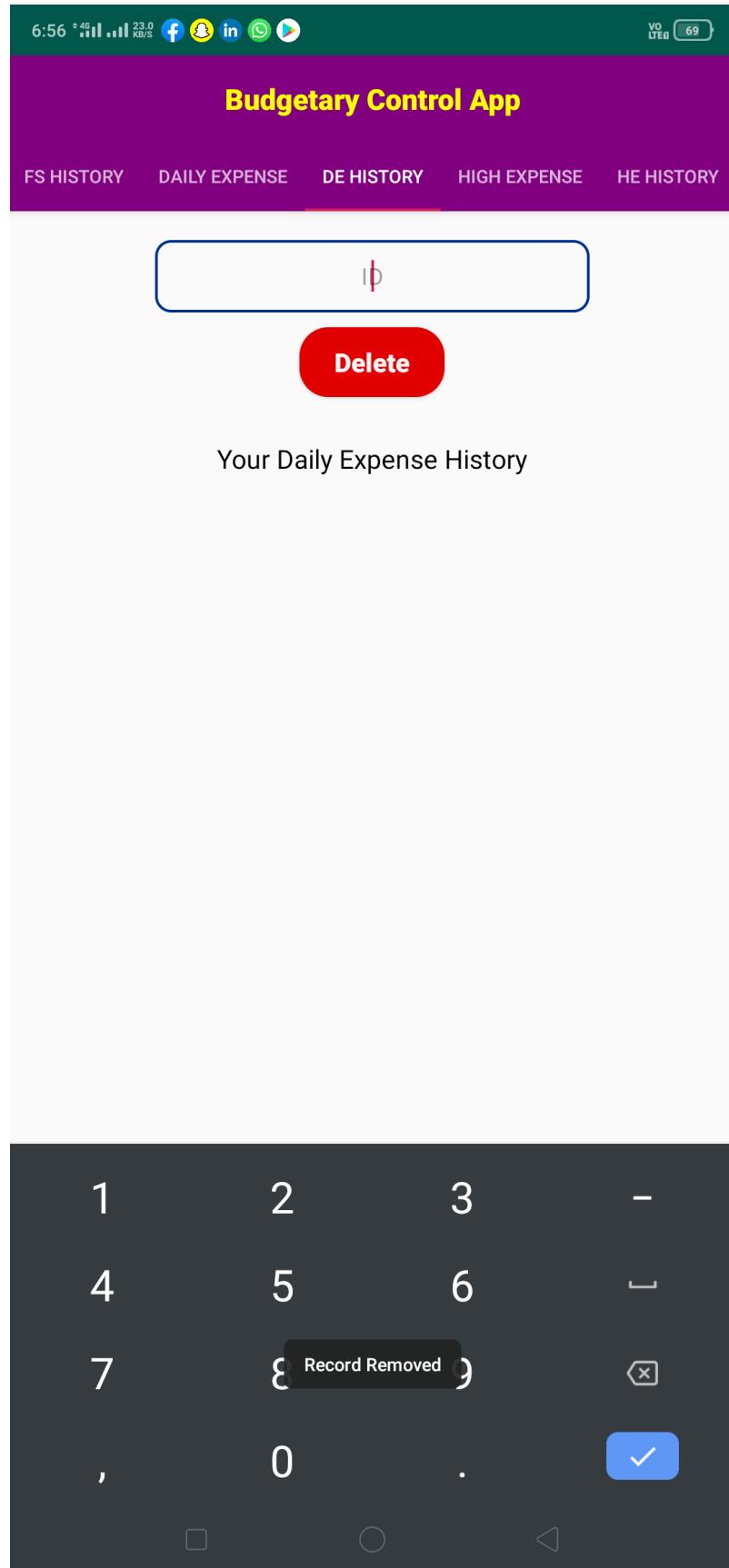
The screenshot shows the Firebase Realtime Database interface for the project "BCAFirebaseProject". The left sidebar contains navigation icons for Home, Settings, Data, Backups, Usage, and Help. The main header includes the project name, a "Realtime Database" dropdown, and user account information.

The "Data" tab is selected, displaying the database structure under the root node "bcafirebaseproject-676c7".

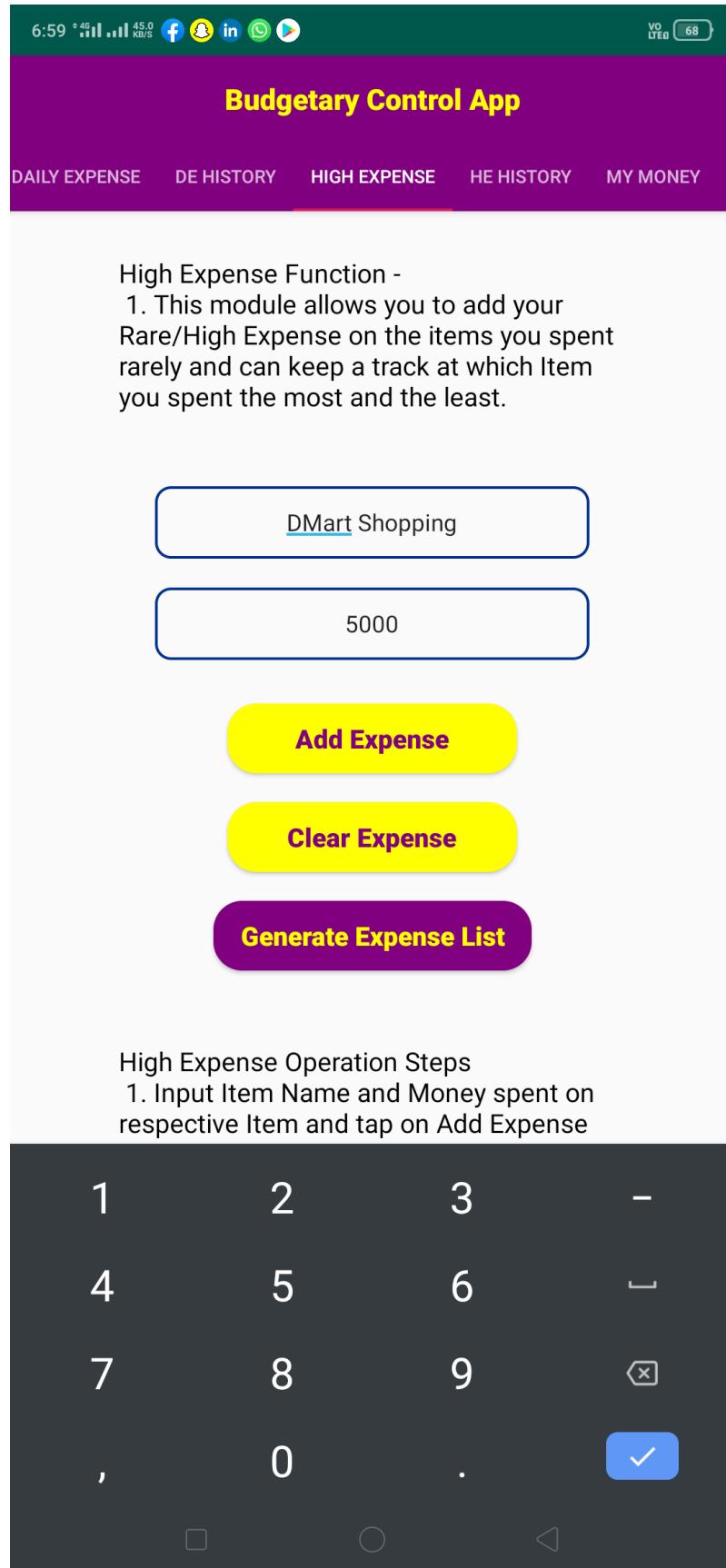
The database structure is as follows:

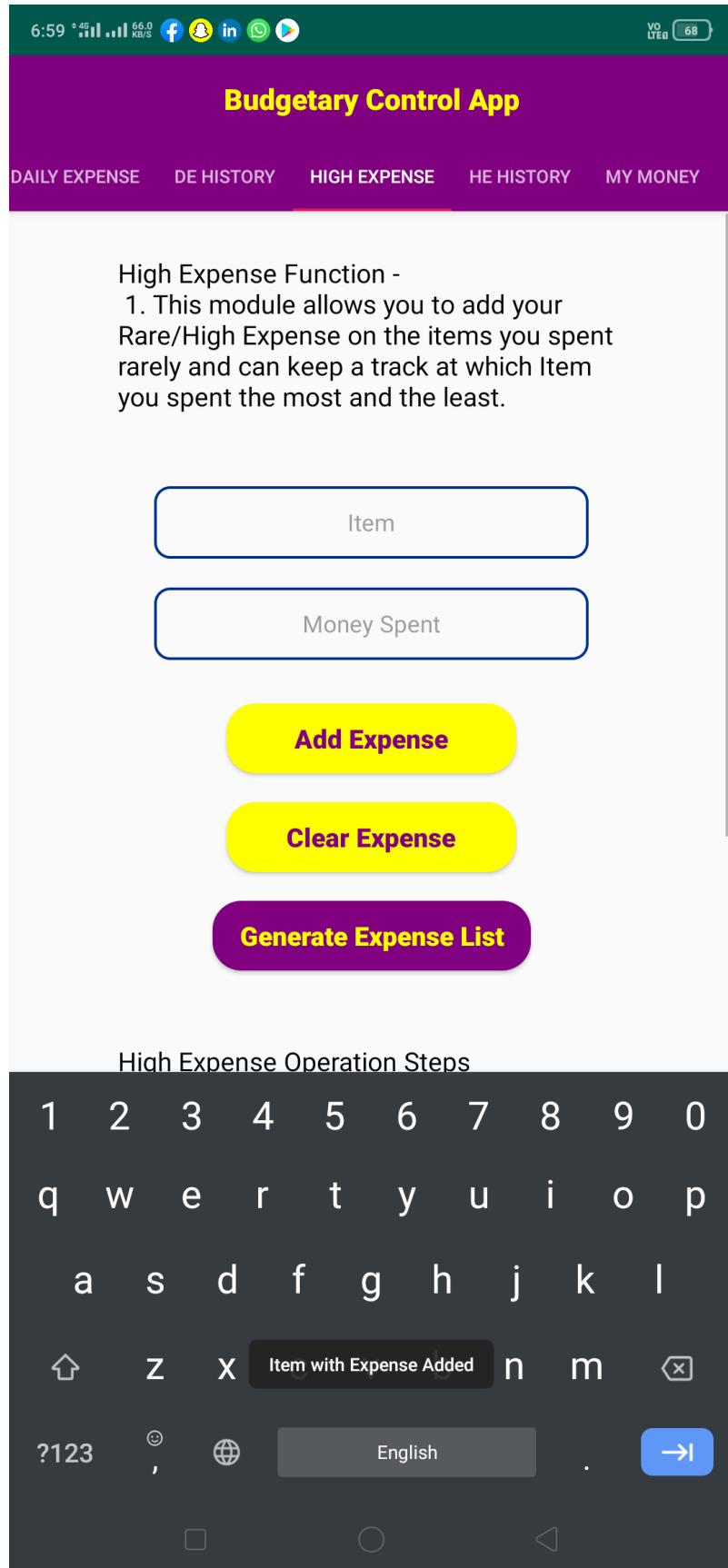
- DailyExpense**:
 - MBqlaMvzUpR8YDxwb9I
 - dailyExpenseID: 2
 - date: "10-07-2020"
 - despent
 - Fruits: 30
 - Mask: 40
 - numberOfExpense: 2
 - time: "06:49:39"
 - totalExpense: 70
 - userIDfk: "XnKbs8uekUgovSwlw3uP2MN0ZF0"
- users**: (indicated by a plus sign icon)

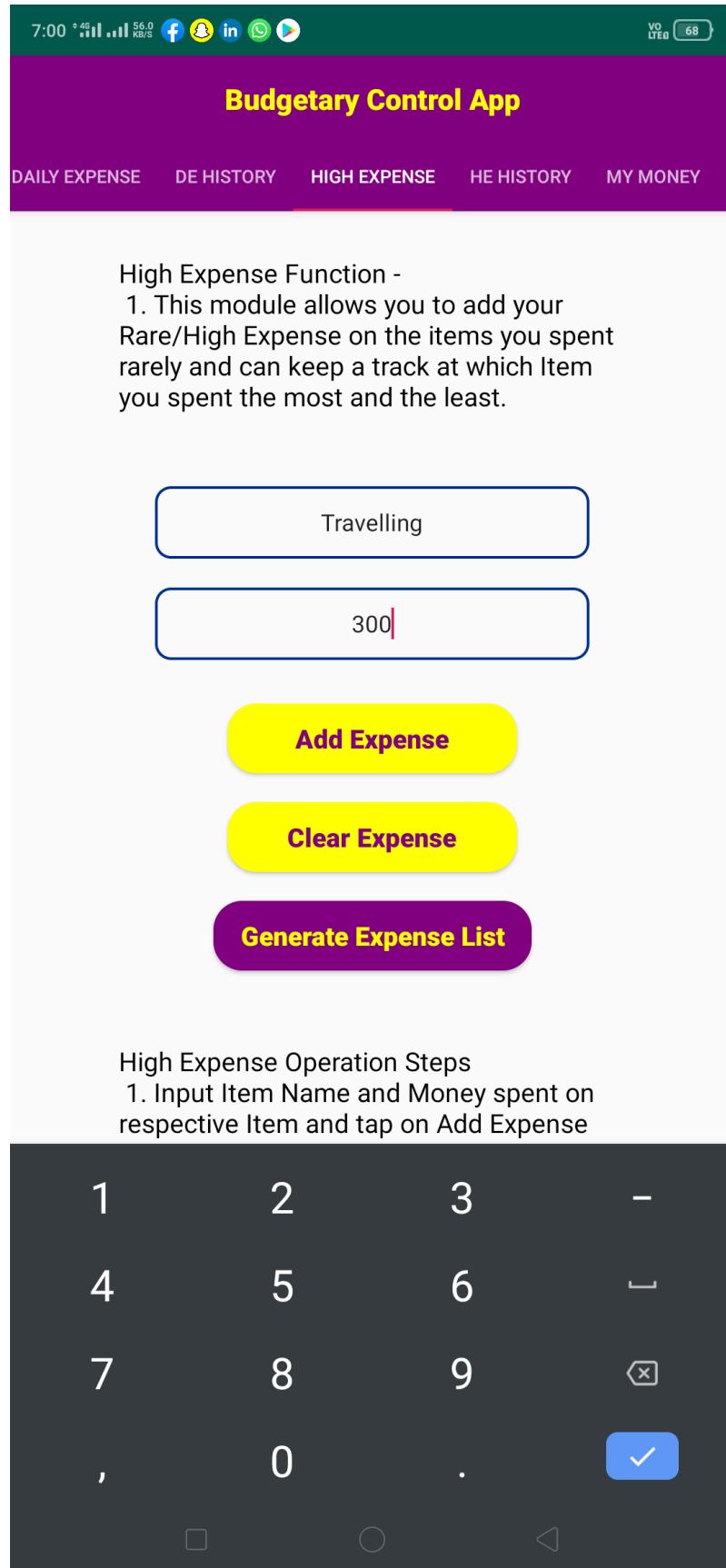


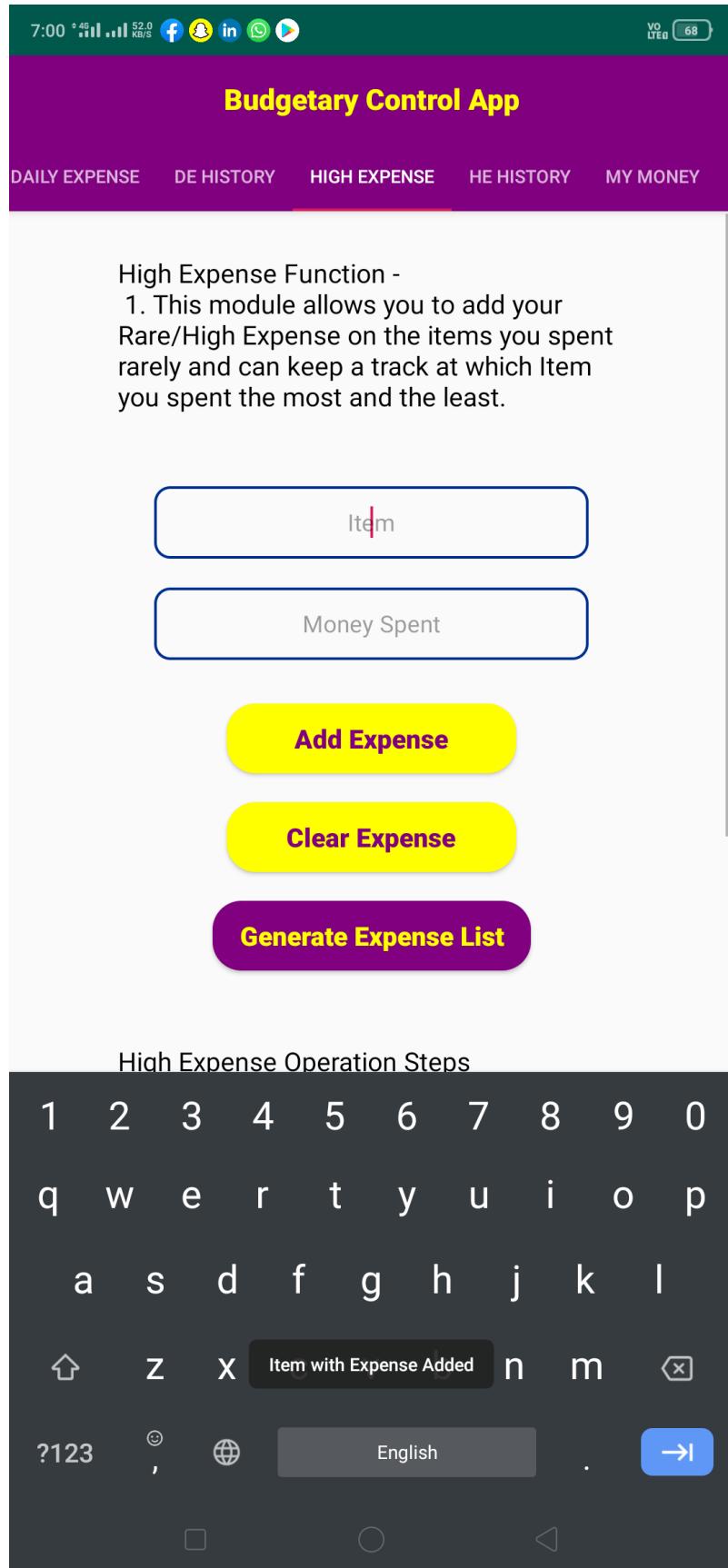


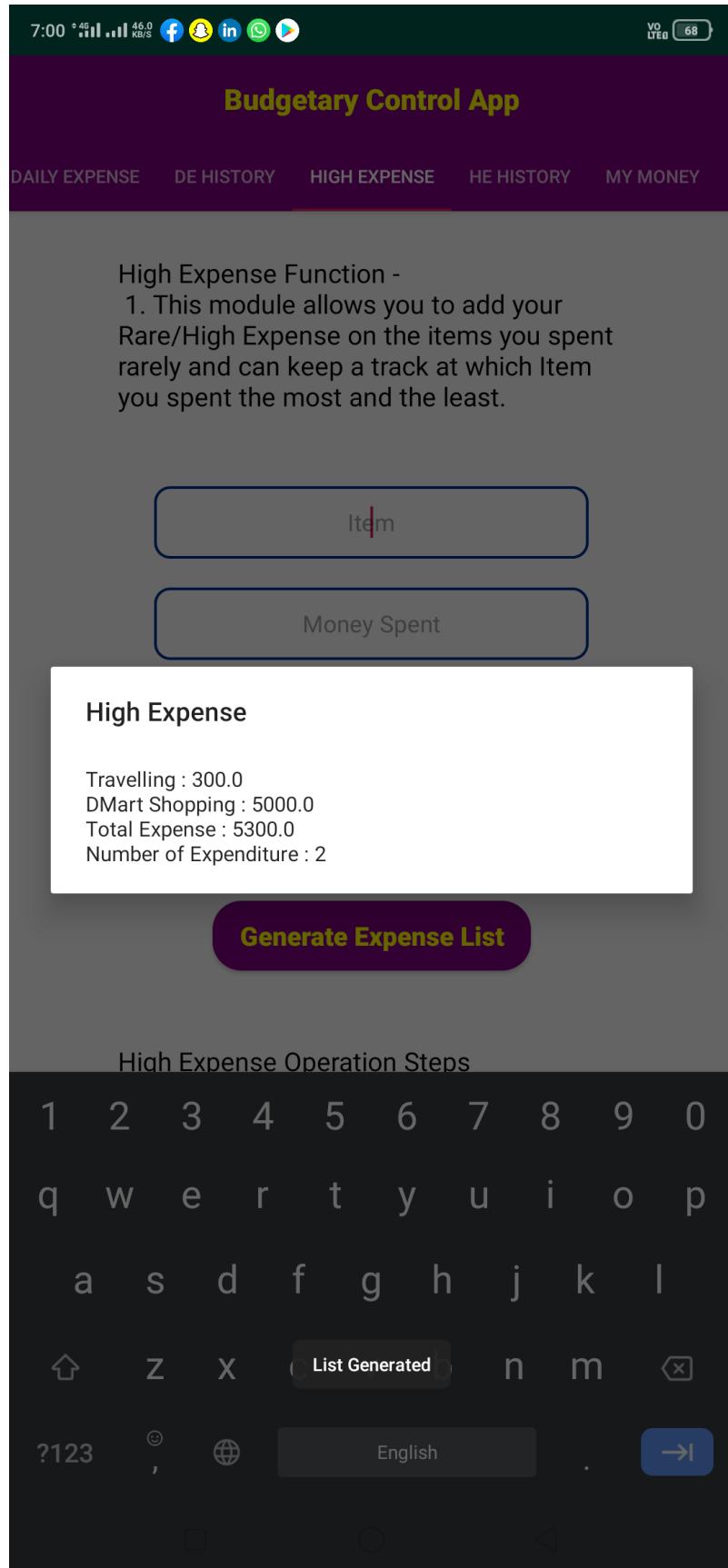
The screenshot shows the Firebase Realtime Database console for the project "BCAFirebaseProject". The left sidebar contains navigation icons for Home, Settings, Data, Rules, Backups, and Usage. The main header includes the project name, a "Realtime Database" dropdown, and links for "Go to docs", a notification bell, and a user profile. The top navigation bar has tabs for "Data", "Rules", "Backups", and "Usage", with "Data" being the active tab. Below the navigation is a URL field with the value "https://bcafirebaseproject-676c7.firebaseio.com/" and a set of three-dot controls (+, -, :). The main content area displays the database structure: the root node "bcafirebaseproject-676c7" contains a single child node "users".









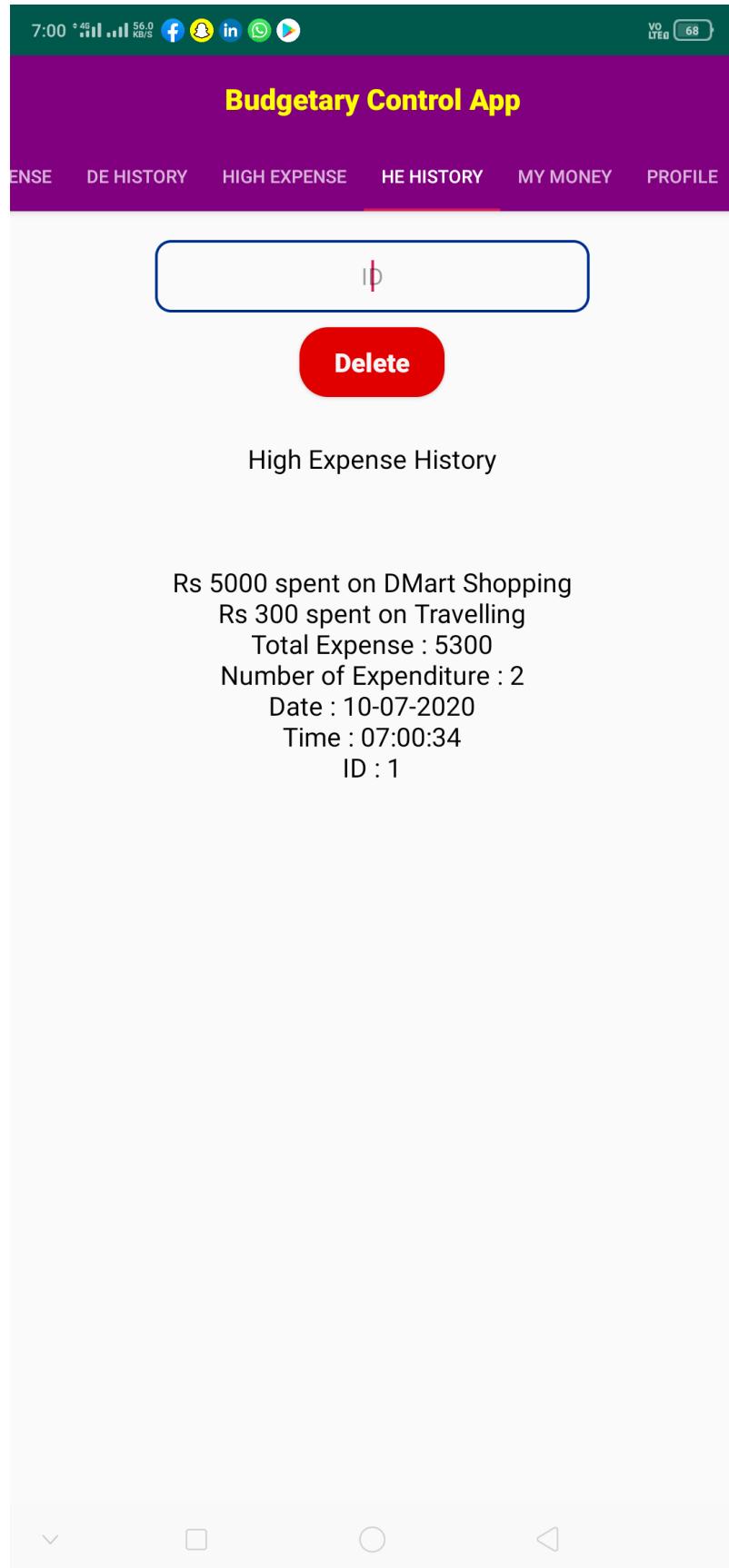


The screenshot shows the Firebase Realtime Database interface for the project 'BCAFirebaseProject'. The left sidebar contains navigation icons for Home, Settings, Data, Backups, Usage, and Help. The main header includes the project name, a 'Realtime Database' dropdown, and links for 'Go to docs', a notification bell, and a user profile.

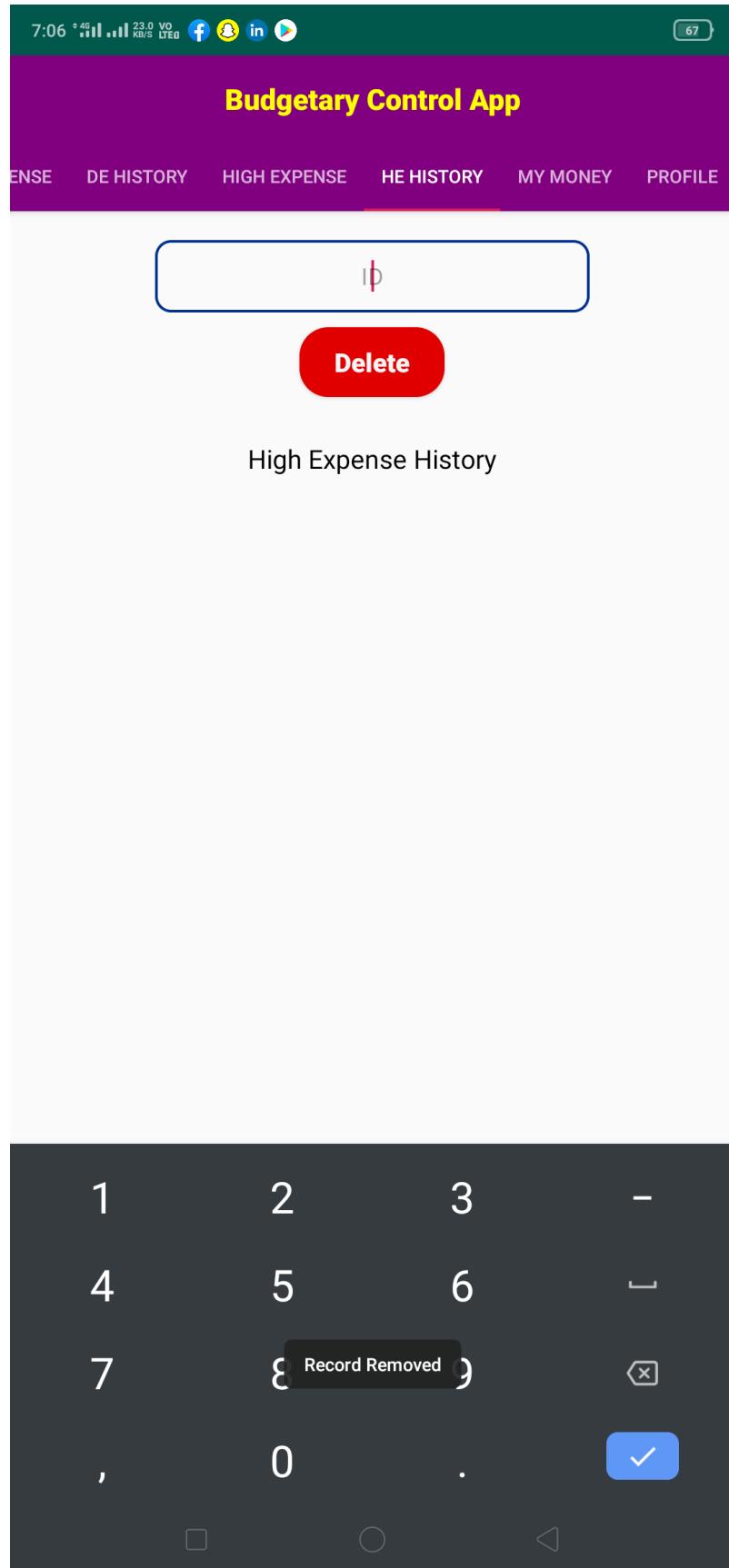
The 'Data' tab is selected, showing a single node named 'HighExpense' at the root level. This node has a child node '-MBqL5DfsaiV1zypPG5K' which contains the following data:

- date: "10-07-2020"
- heid: 1
- hespent
 - DMart Shopping: 500€
 - Travelling: 30€
- numberOfExpense: 2
- time: "07:00:34"
- totalExpense: 530€
- userIDfk: "XnKbs8uekUgovSwlw3uP2MN0ZF"

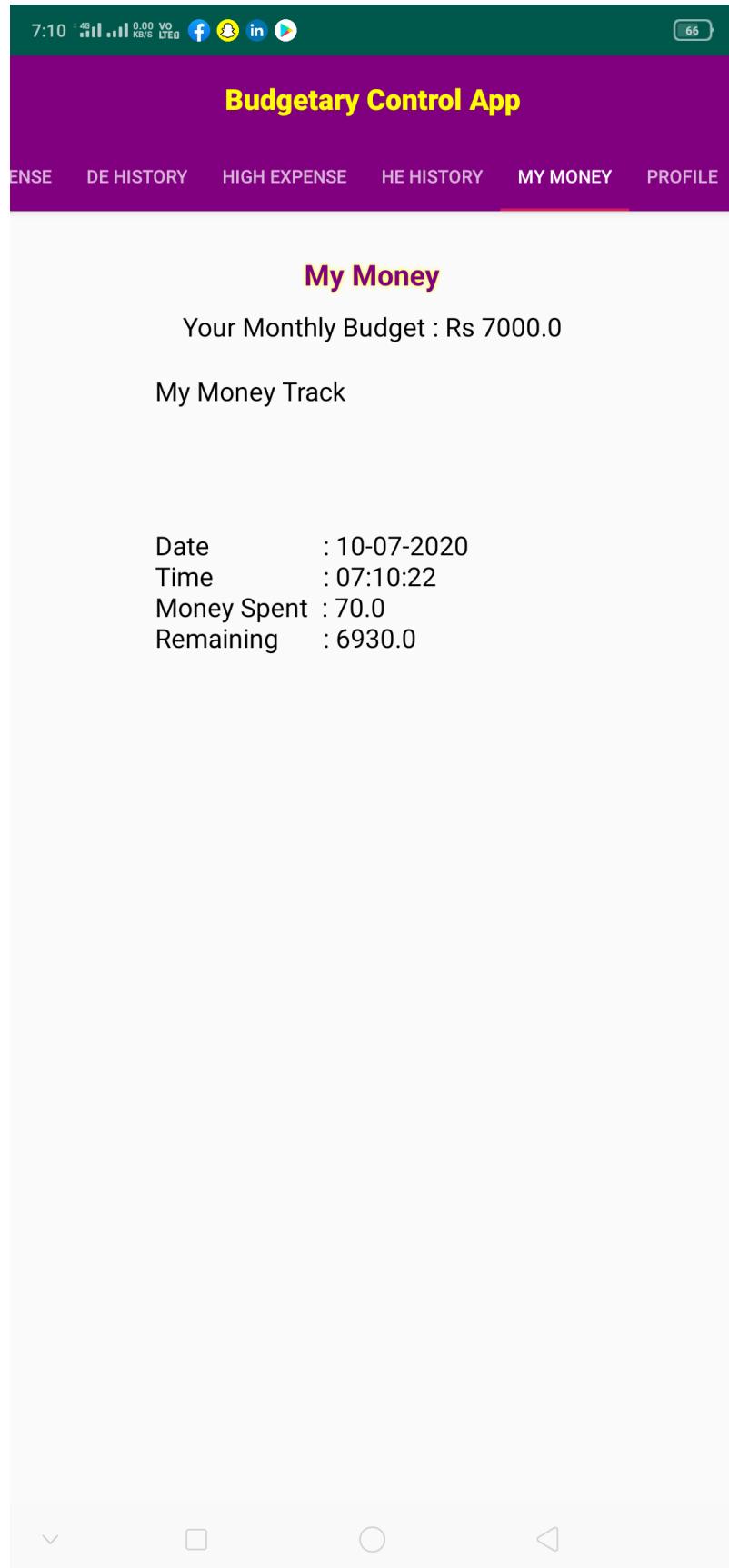
Below 'HighExpense' is another node named 'users' with a plus sign icon.

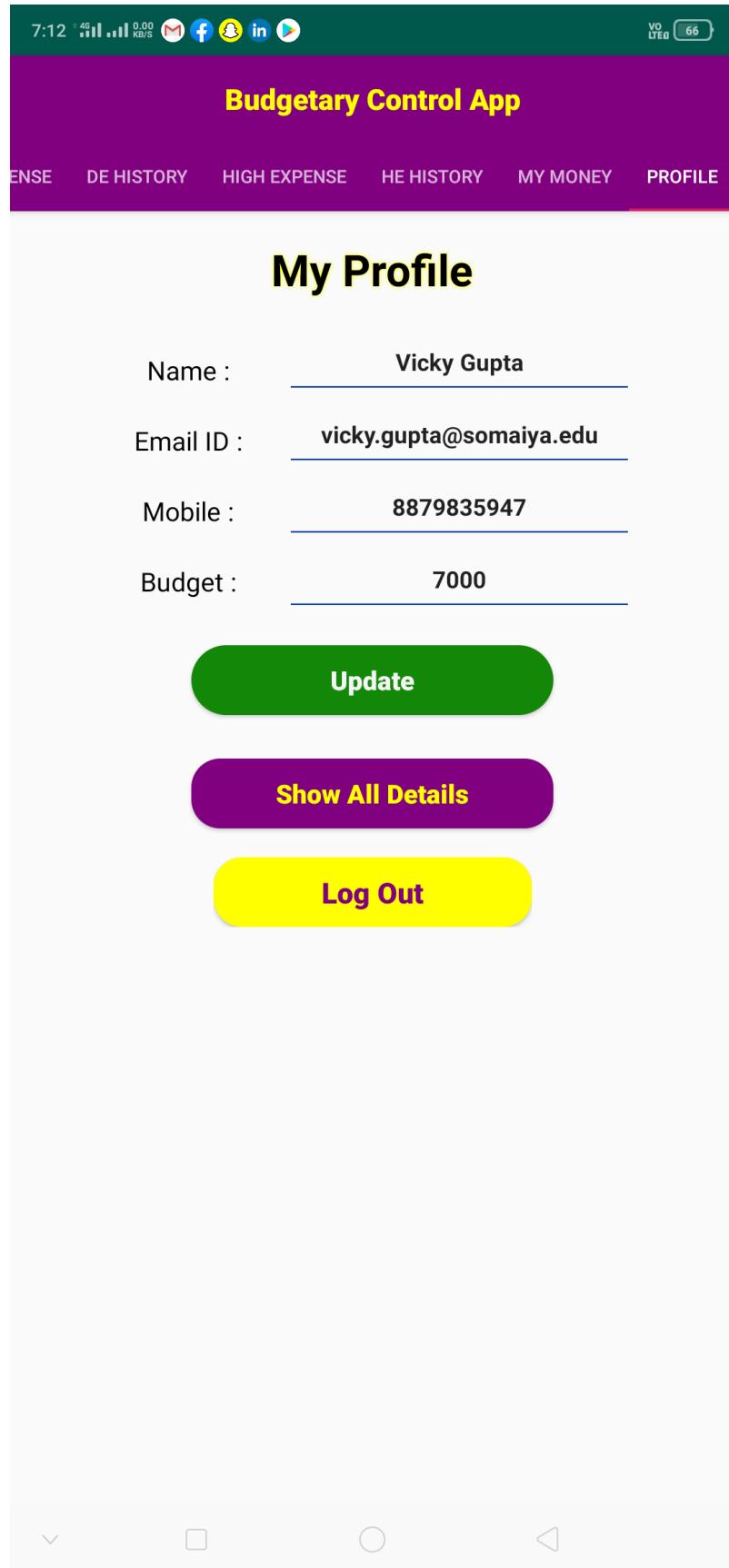


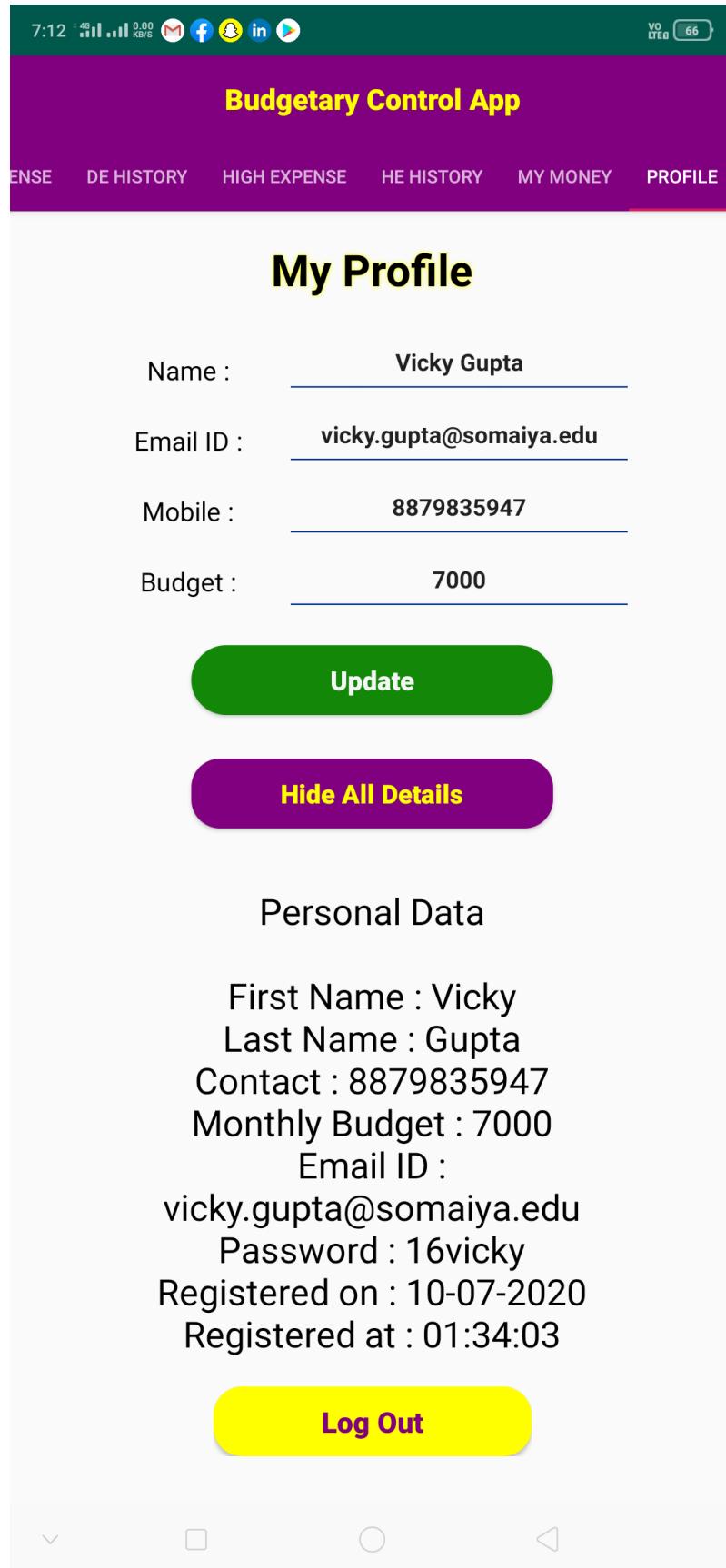


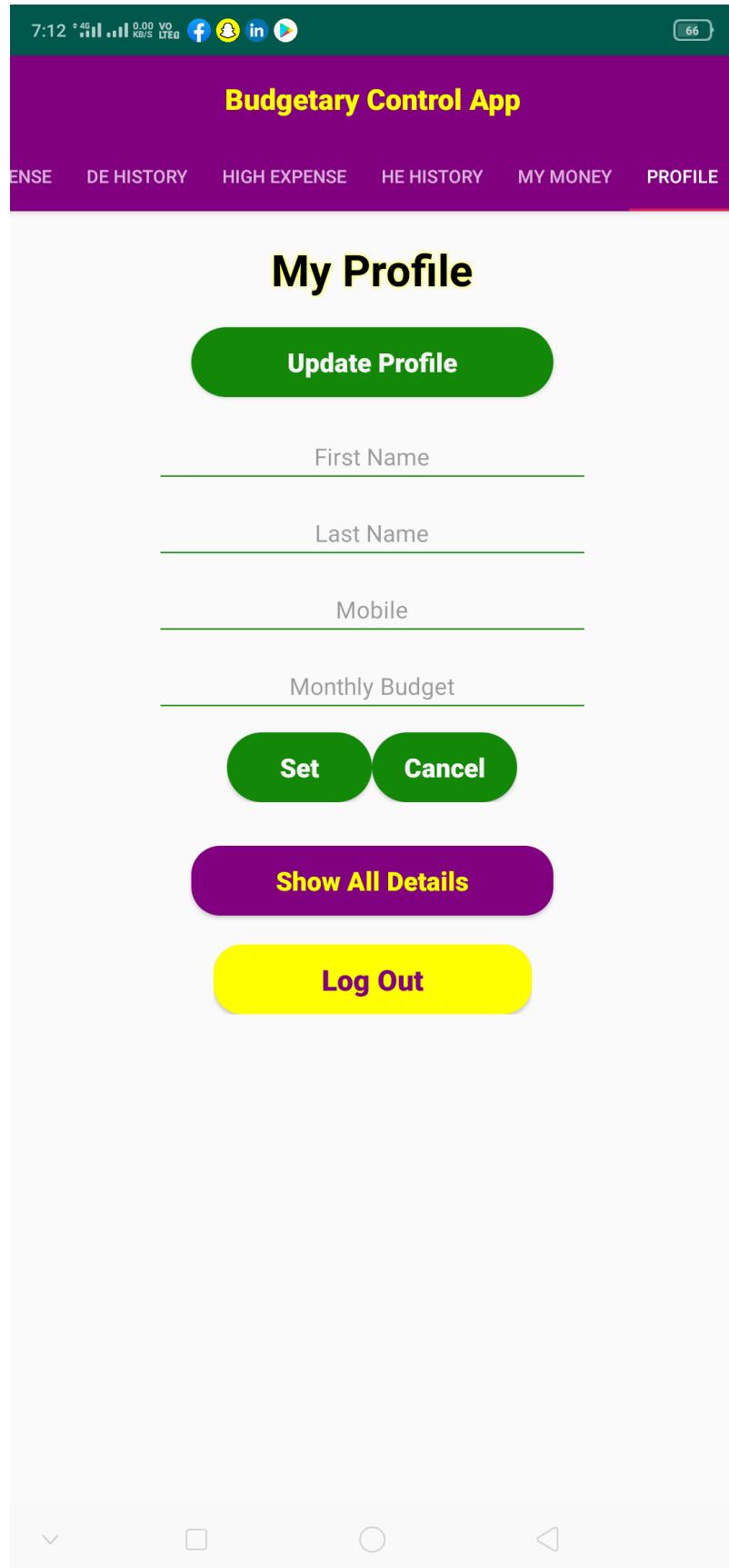


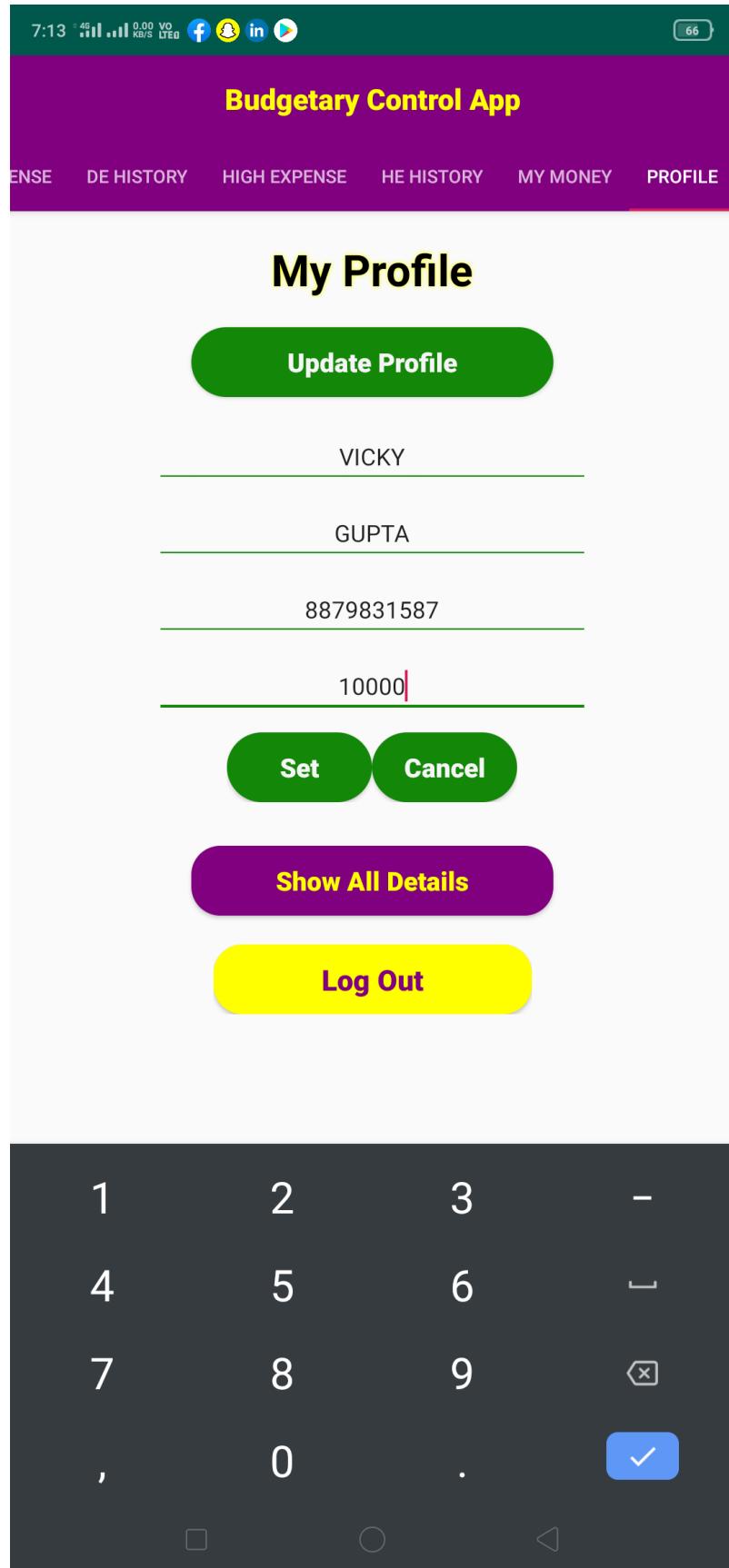
The screenshot shows the Firebase Realtime Database console for the project "BCAFirebaseProject". The left sidebar has icons for Home, Settings, Data, Rules, Backups, Usage, and Help. The main header says "Database" and "Realtime Database". Below the header, there are tabs for "Data", "Rules", "Backups", and "Usage". The "Data" tab is selected. A URL "https://bcafirebaseproject-676c7.firebaseio.com/" is shown with a copy icon. The main content area displays a single node named "bcafirebaseproject-676c7" which contains a child node "users". There are three icons on the right side of the content area: a plus sign (+), a minus sign (-), and a three-dot menu.

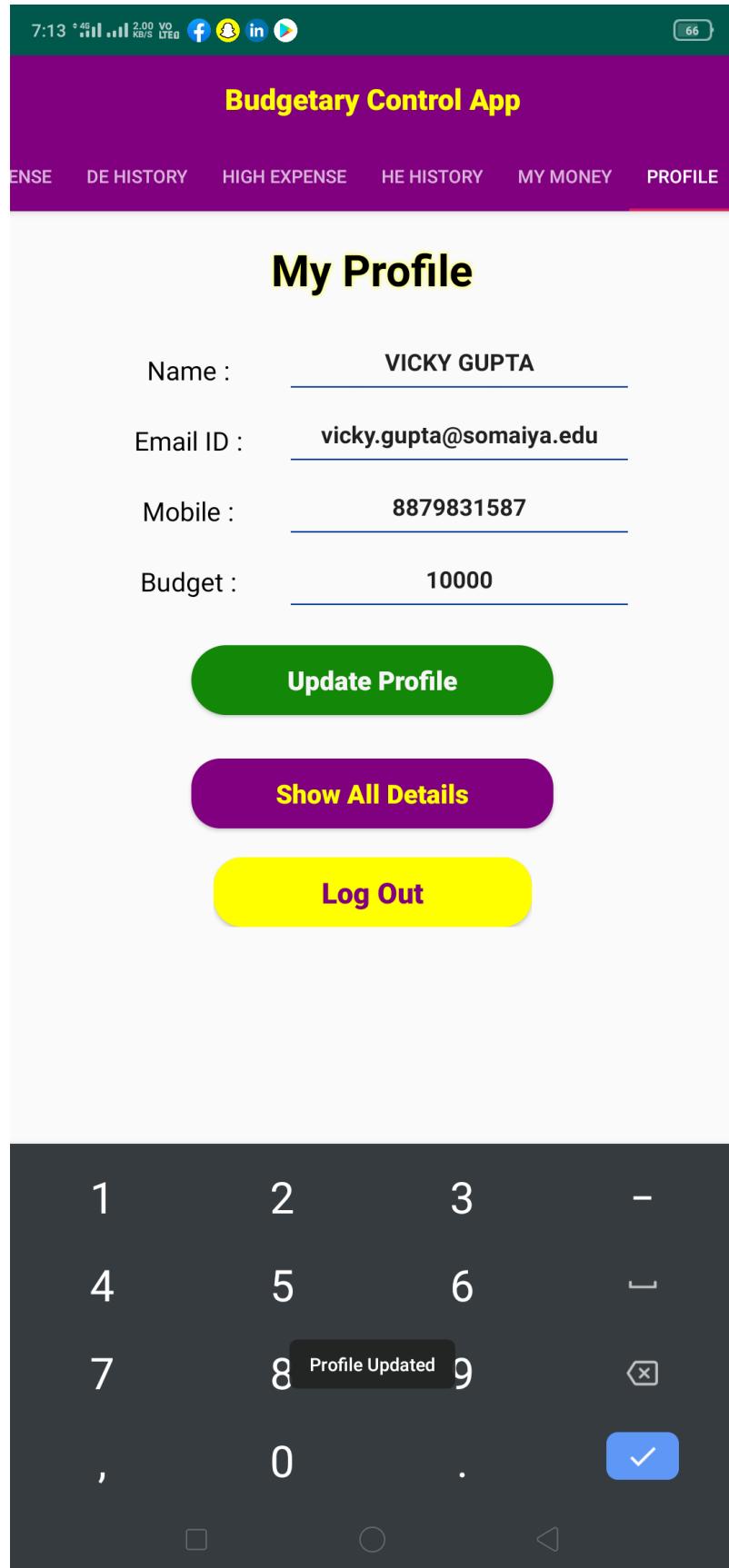


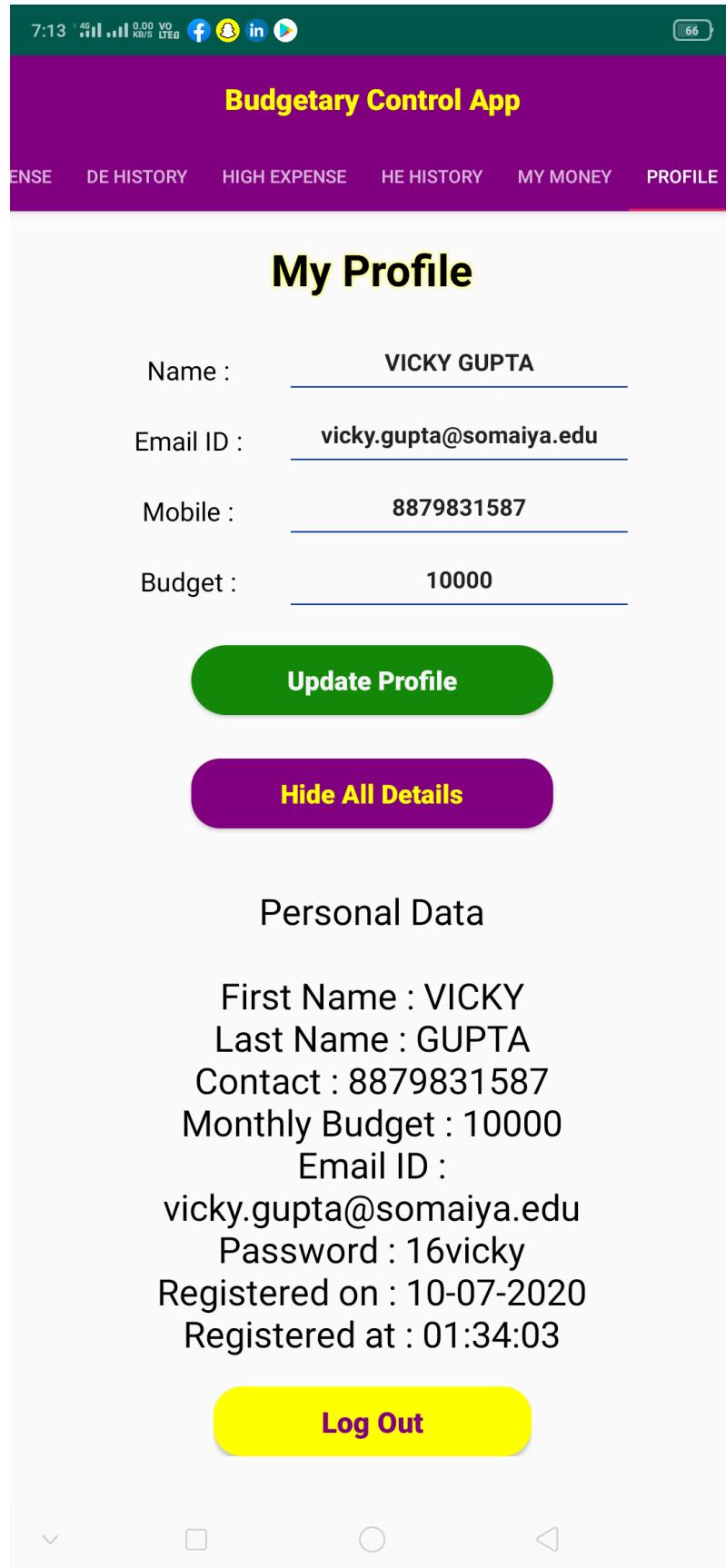












The screenshot shows the Firebase Realtime Database console for the project "BCAFirebaseProject". The left sidebar has icons for Home, Settings, Users, and Screenshots. The main header includes the project name, a "Realtime Database" tab, and navigation links for Data, Rules, Backups, and Usage. Below the header is a URL bar with "https://bcafirebaseproject-676c7.firebaseio.com/" and a set of three icons: a plus sign, a minus sign, and three dots. The main content area displays a tree view of the database structure under the root "bcafirebaseproject-676c7". The "users" node contains a single child node "-MBpAMFtmXxrkDvc3QF" which holds the following data:

- userContact: "8879831587"
- userDate: "10-07-2020"
- userEmail: "vicky.gupta@somaiya.edu"
- userFirstName: "VICKY"
- userIDOriginal: "XnKbs8uekUgovSwlw3uP2MN0ZF0"
- userLastName: "GUPTA"
- userMonthlyBudget: "10000"
- userPassword: "16vicky"
- userTime: "01:34:03"

