

Mobile Application Development

Project 1: Daily Expense Note

Daily Expense Note is an android application for keeping all expense related information. This app will help user for storing expense information locally and keep tracking of expenses for daily needs. It should be very easy to use and understand. User interface should be simple.

Note that, you cannot change any specification described below.

Functionalities of Daily Expense Note are described below:

- Add Daily Expense
- View Daily Expense List
- View Daily Expense Details
- Update & Delete Daily Expense
- Expense Report by Date range and Expense type

Technology: SQLite, Android SDK.

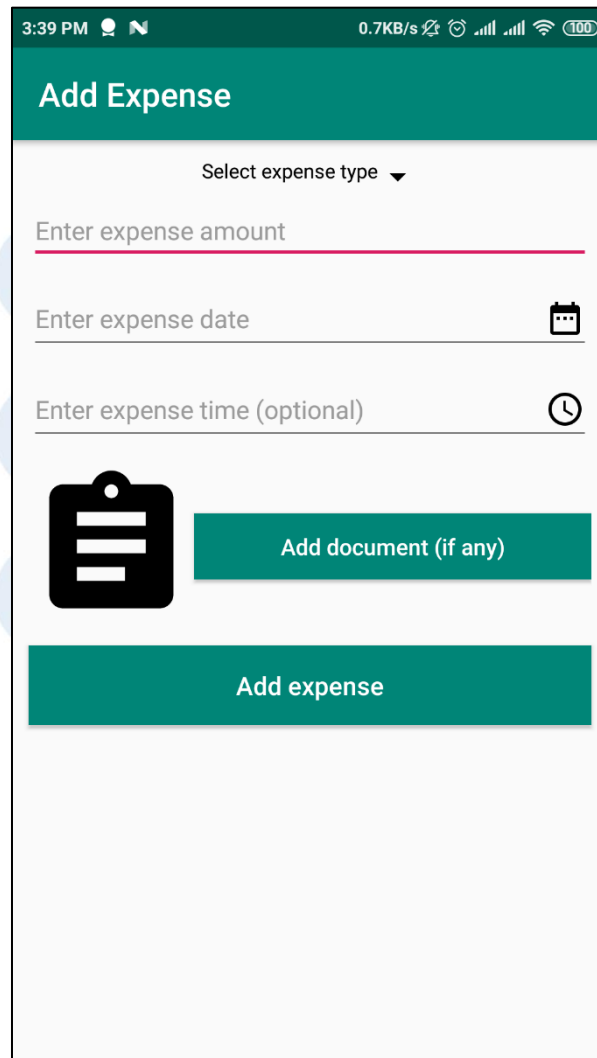
Score distribution:

| SL# | Feature | Score |
|--------------|---|-----------|
| 1 | Add Daily Expense | 7 |
| 2 | View Daily Expense List | 7 |
| 3 | View Daily Expense Details | 4.5 |
| 4 | Update & Delete Daily Expense | 4.5 |
| 5 | Expense Report by Date range and Expense type | 7 |
| Total | | 30 |

User stories of Daily Expense Note:

1. Add Daily Expense:

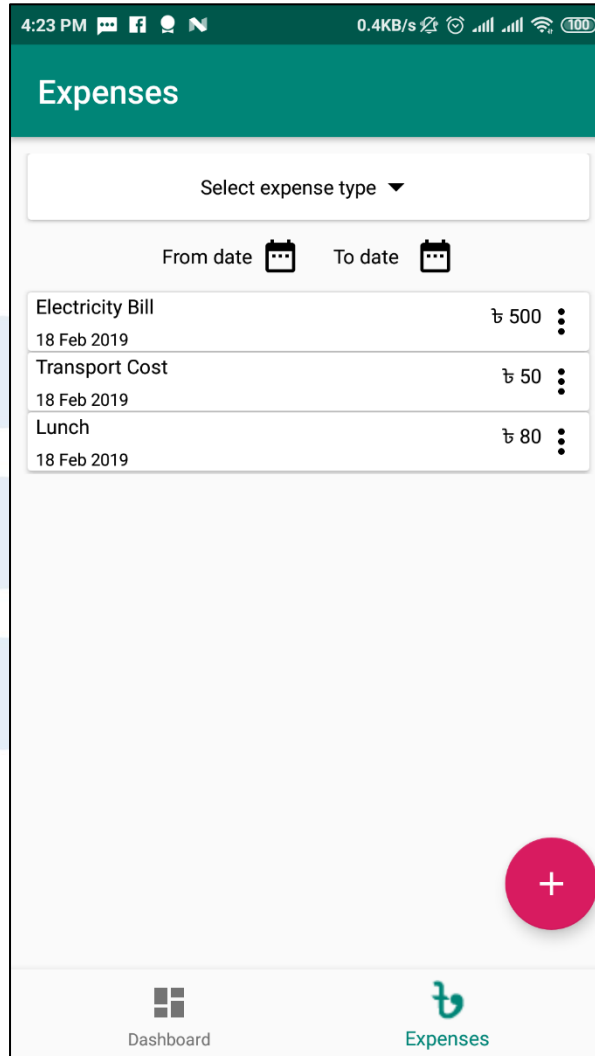
User will add his/her daily expense using this feature. Here user will input relevant info of an expense like *expense amount*, *type*, *date*, *time*, *document (image)* etc. User can add a single document (image) at a time but it is optional.



The screenshot shows a mobile application interface for adding a daily expense. The status bar at the top indicates the time is 3:39 PM, the data speed is 0.7KB/s, and the battery is at 100%. The app title 'Add Expense' is displayed in a teal header. Below the header, there is a dropdown menu for 'Select expense type'. The form includes three input fields: 'Enter expense amount' with a pink underline, 'Enter expense date' with a calendar icon, and 'Enter expense time (optional)' with a clock icon. A clipboard icon is positioned to the left of a teal button labeled 'Add document (if any)'. At the bottom of the form is a large teal button labeled 'Add expense'.

2. View Daily Expense List:

User will view all the saved expense list here based on *expense type* and *date range*. If user left blank in *expense type* or *date range*, then all saved expense will be displayed.



4:23 PM 0.4KB/s

Expenses

Select expense type ▼

From date 📅 To date 📅

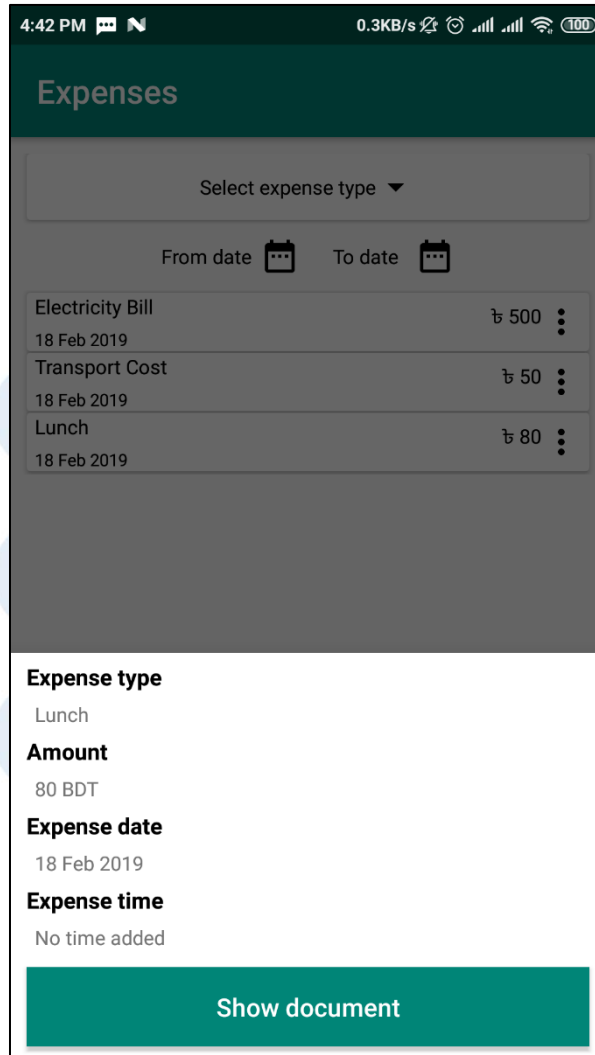
| | | |
|------------------|-------|---|
| Electricity Bill | ৳ 500 | ⋮ |
| 18 Feb 2019 | | |
| Transport Cost | ৳ 50 | ⋮ |
| 18 Feb 2019 | | |
| Lunch | ৳ 80 | ⋮ |
| 18 Feb 2019 | | |

+

Dashboard Expenses

3. View Daily Expense Details:

User will tap on an expense, and details information will be displayed. User will see his/her uploaded document when click on *Show document*.



4:42 PM 0.3KB/s

Expenses

Select expense type ▼

From date To date

| | |
|------------------|-------|
| Electricity Bill | ₹ 500 |
| 18 Feb 2019 | |
| Transport Cost | ₹ 50 |
| 18 Feb 2019 | |
| Lunch | ₹ 80 |
| 18 Feb 2019 | |

Expense type
Lunch

Amount
80 BDT

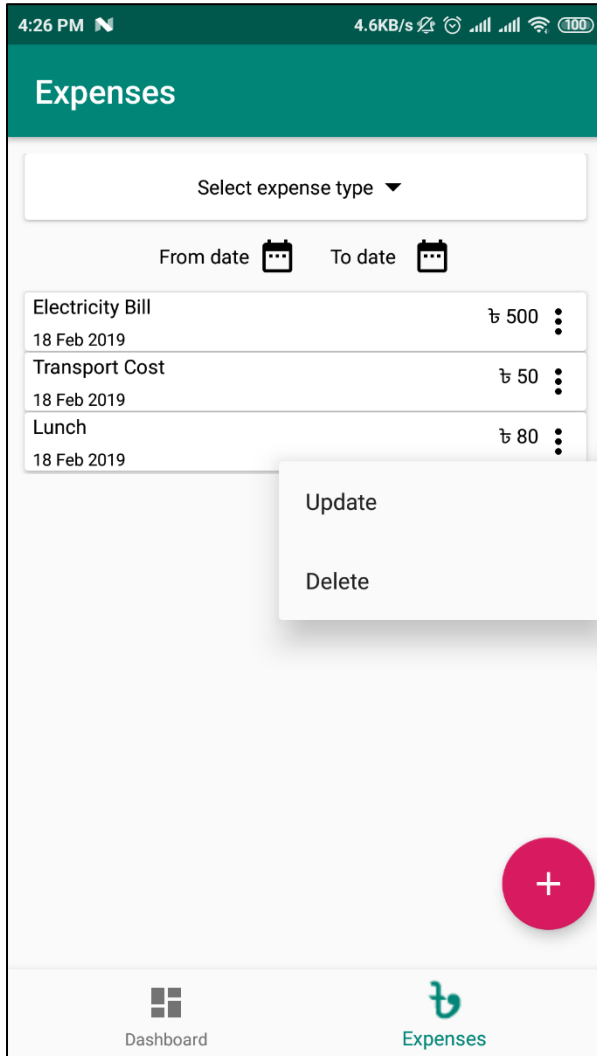
Expense date
18 Feb 2019

Expense time
No time added

Show document

4. Update & Delete Daily Expense:



User will be able to *update* or *delete* expense information using this feature.



4:26 PM 4.6KB/s

Expenses

Select expense type ▼

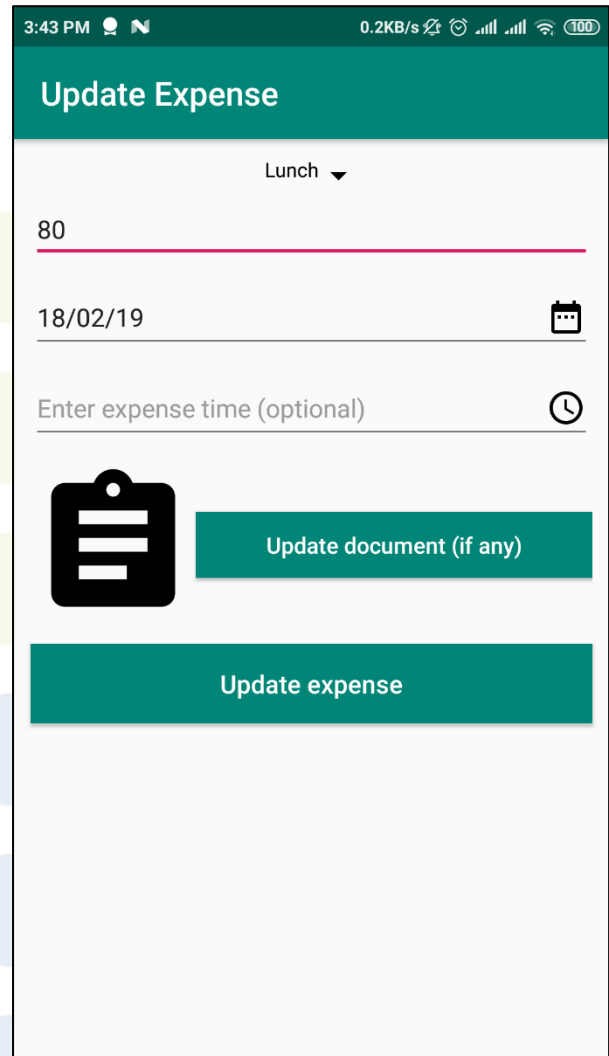
From date  To date 

| | | |
|------------------|-------|---|
| Electricity Bill | ৳ 500 | ⋮ |
| 18 Feb 2019 | | |
| Transport Cost | ৳ 50 | ⋮ |
| 18 Feb 2019 | | |
| Lunch | ৳ 80 | ⋮ |
| 18 Feb 2019 | | |

Update

Delete

Dashboard Expenses





3:43 PM 0.2KB/s


Update Expense

Lunch ▼

80

18/02/19 

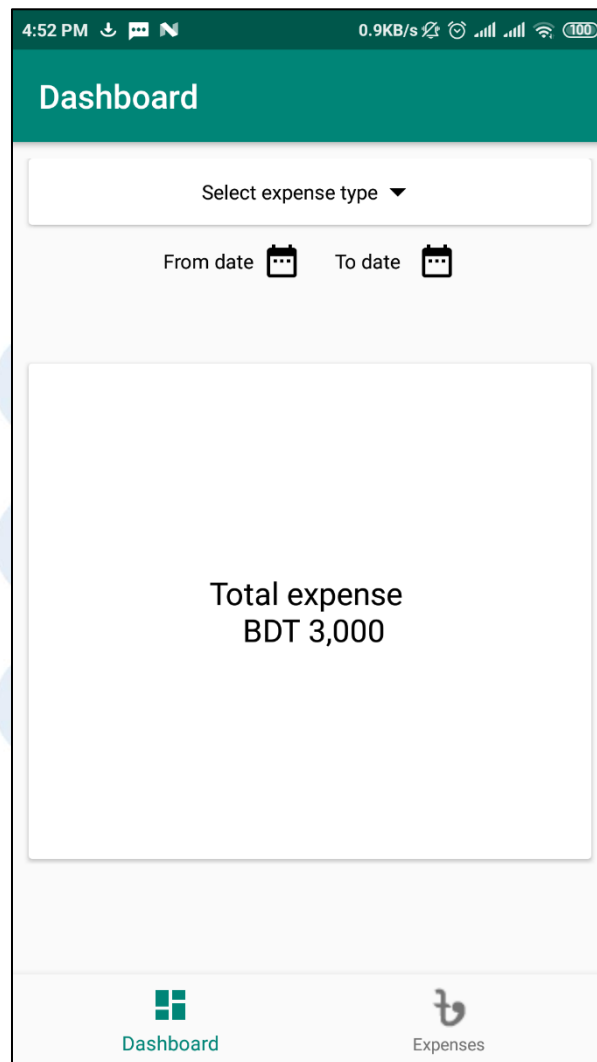
Enter expense time (optional) 

 Update document (if any)

Update expense

5. Expense report by Date range and Expense type

This will be the first screen of the application. Here user will be able to filter total expense based on *expense type* and *date range*.



The screenshot shows a mobile application interface for a dashboard. At the top, there's a status bar with the time 4:52 PM, signal strength, and battery level. Below the status bar is a green header with the word "Dashboard". Under the header, there's a white box with a dropdown menu labeled "Select expense type". Below that, there are two date pickers labeled "From date" and "To date". The main content area is a large white box with the text "Total expense BDT 3,000". At the bottom, there's a navigation bar with two icons: a green square icon labeled "Dashboard" and a blue circular icon labeled "Expenses".

Good Luck 😊