Quick Task Pro

Sayantan Biswas

11th May, 2024

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Cross Platform Assignment

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2023mt93245

Introduction

Using Flutter and Back4App as back-end an application has been developed to manage to-do items or quick tasks for a person.

Using this app, we can maintain a list of quick task items. We can add a to-do item, set a due date to complete the task, mark it as done and even delete the same.

Once the to-do item is added it gets displayed as a list on the UI, which is sorted according to the due date.

More Details

Software/Tool used for creating this app:
- Flutter
- Bak4app
- VS Code
- Android Studio

Application code is available in GitHub URL as per below:
- HTTPS: https://github.com/yo-sayantan/CPAD_Assignment_2023mt93245.git
- SSH: `git@github.com:yo-sayantan/CPAD_Assignment_2023mt93245.git`
- GitHub CLI: `gh repo clone yo-sayantan/CPAD_Assignment_2023mt93245`

- GitHub Link: https://github.com/yo-sayantan/CPAD_Assignment_2023mt93245
- YouTube Link: https://youtu.be/f64Eh5NsZ6Q

Functionalities
- People can login using their credentials.
- If there is a new user, he/she can sign-up using their new credentials.
- The tasks made by the users are user specific and one can access the user respective tasks.
- If the app is not logged in or credentials expired, it will redirect to the login page.
- While adding a new to-do item, it will ask for the due date, by which the task needs to be completed, and arranges them in ascending order of the due date.
- While adding a new to-do item a new record gets created at the back-end table in Bak4app and it gets reflected in the UI.
- When the to-do item is marked as done the back-end record gets updated.
- When the to-do item is deleted from the list the back-end record gets deleted.
- The to-dos are arranged in ascending order of due date.
- The completed tasks are pushed at the bottom of the list.
- The tasks can be deleted by that user only.

Snapshots

1. Back4app dashboard, containing user logins
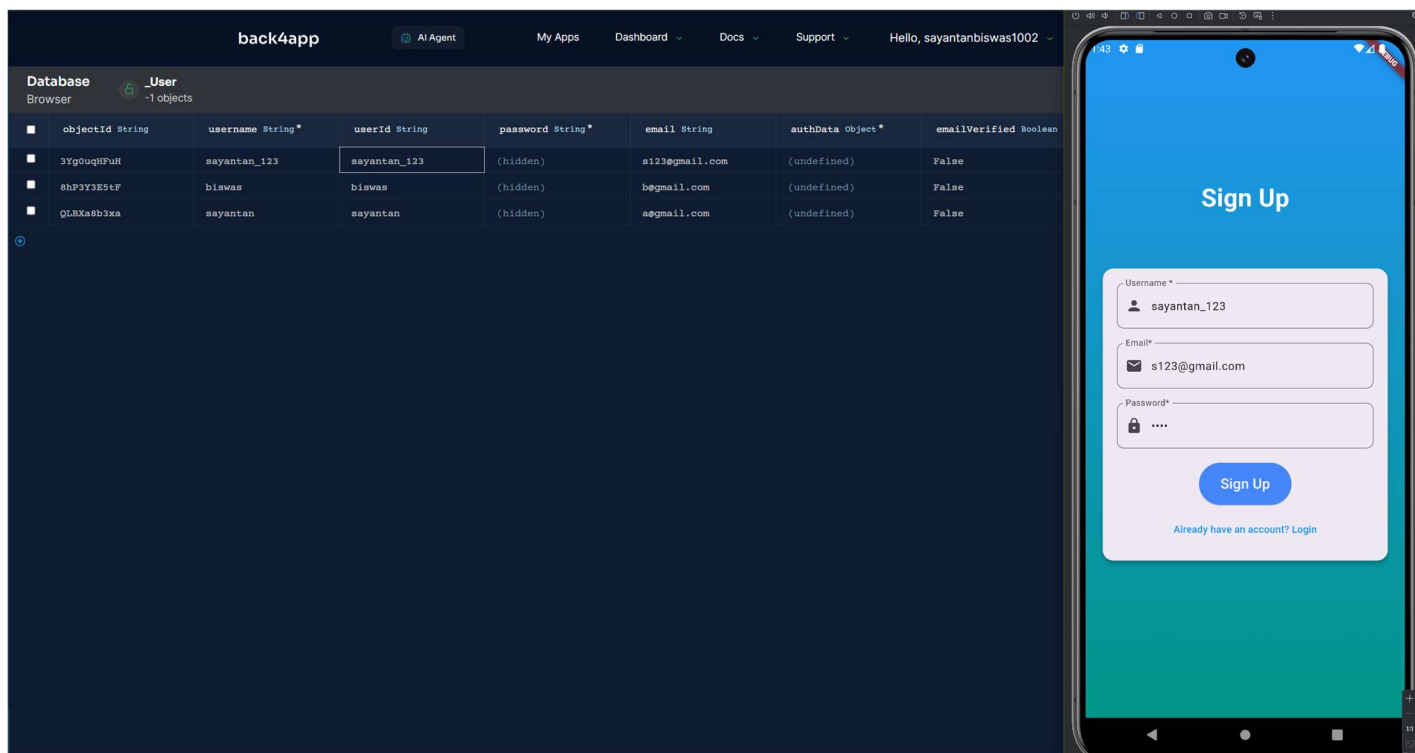

2. Back4App dashboard, containing some tasks
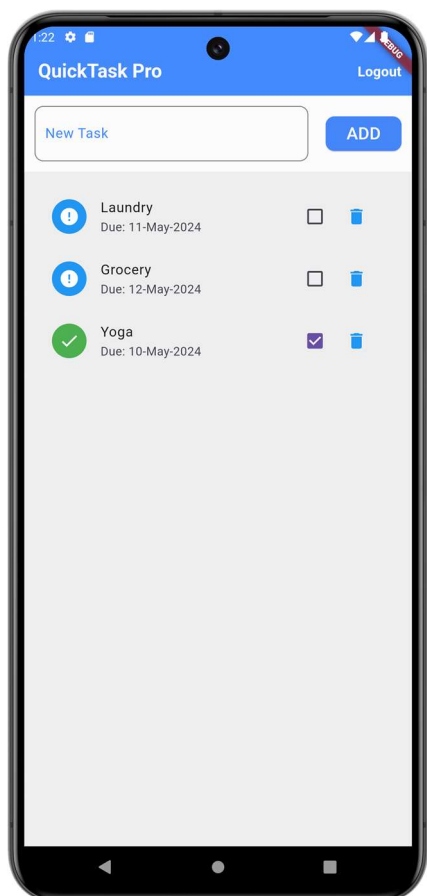
3. Android app in Login Page
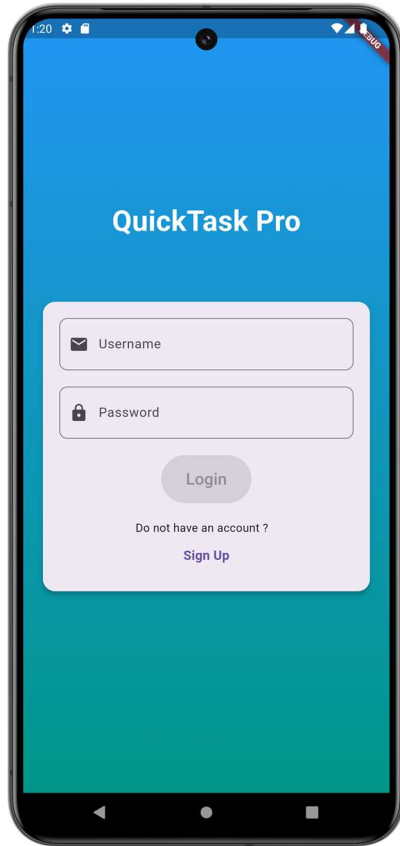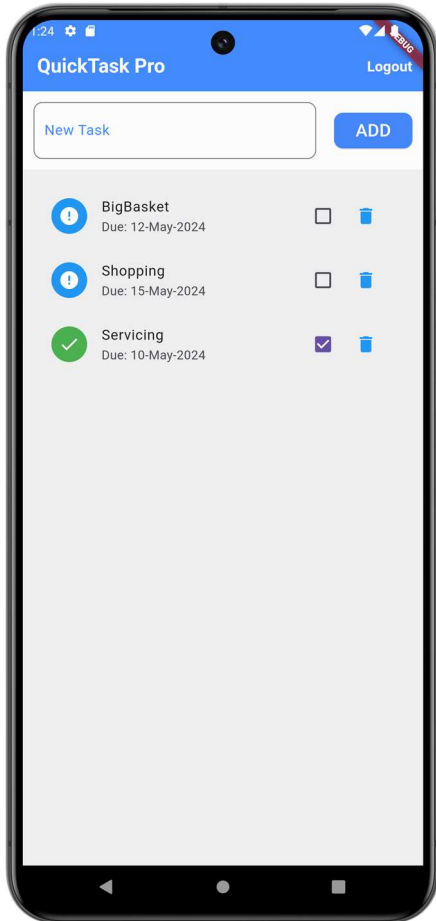

4. Android app in Signup Page
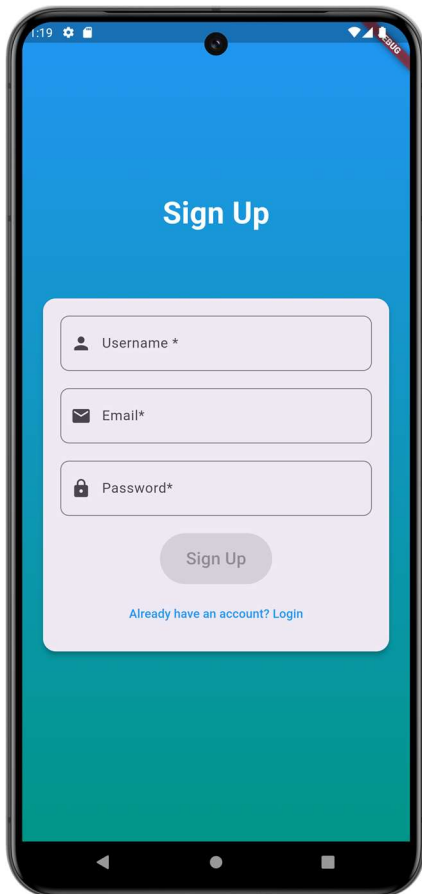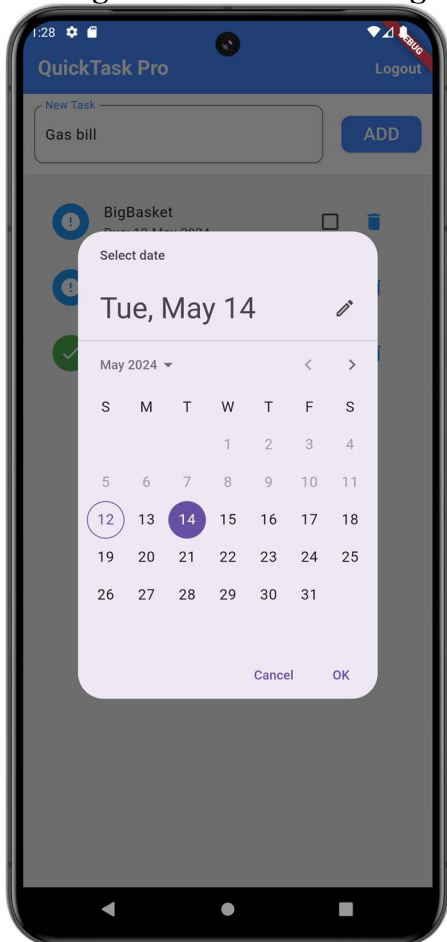
5. Signed up a new user –

6. Logged in to user – "sayantan". Some tasks are added, some are done. Tasks are sorted according to the due date.

7. Logged in to user – "biswas". These tasks are different as this is a different user.

8. Adding due date while adding a new task –

9. Adding a new task – "Gas bill" due by 14th May, a new row with status False got added.

10. Completing a task – Completed the task Shopping, the status changed to True in back4App.

11. Deleting a task – Deleted the task "BigBasket", got removed from UI and DB.

Thank You