

Habit

- | | |
|--|--|
| <ul style="list-style-type: none"> • Consists of a name, reason, schedule of days of the week it should be repeated, the date to start • Consists of a progress bar which will increase each time the habit is done. • Performs some calculations for how many times it was done on schedule, and how many times it was not done. | <ul style="list-style-type: none"> • User • AddHabitActivity • TodaysHabitActivity • ViewHabitActivity • EditHabitActivity • HabitCustomList |
|--|--|

User

- | | |
|--|--|
| <ul style="list-style-type: none"> • User consists of a username and password • Contains getters and setters for username and password | <ul style="list-style-type: none"> • UserProfileActivity • LoginActivity • RegisterActivity • EditHabitActivity • AddHabitActivity • TodaysHabitActivity • UserSearchActivity |
|--|--|

Event

- | | |
|--|---|
| <ul style="list-style-type: none"> • Keep track of habit events • Add photos of events • Add details of events • Add location of events • Display comments • Display photo of events • Details of events • Call Maps to display events with location added | <ul style="list-style-type: none"> • Habit • Maps • User |
|--|---|

Maps

- Set location for habit events
- Display habit events with location added

- Event

AddHabitActivity

- Add Habits to HabitList
- Add Habits to Firestore

- User
- Habit
- TodaysHabitActivity

EditHabitActivity

- Edit details of a habit
- Update details in Firestore

- User
- Habit
- TodaysHabitActivity

ViewHabitActivity

- View all the details of a habit
- Users can also delete or edit habit details while viewing habit

- User
- Habit
- TodaysHabitActivity

HabitCustomList

- Store details of a Habit in a custom list

- Habit

UserProfileActivity

- | | |
|---|--|
| <ul style="list-style-type: none"> Display username, number of followers, number of following Display all habits for the user | <ul style="list-style-type: none"> User |
|---|--|

UserSearchAdapter

- | | |
|---|--|
| <ul style="list-style-type: none"> Adapter used to perform search for the user | <ul style="list-style-type: none"> UserSearchActivity User |
|---|--|

UserSearchActivity

- | | |
|---|---|
| <ul style="list-style-type: none"> Collaborate with UserSearchAdapter to find user based on username | <ul style="list-style-type: none"> UserSearchAdapter User |
|---|---|

TodaysHabitActivity

- | | |
|--|---|
| <ul style="list-style-type: none"> Displays today's habits for the user User can check habit done once they finish it The visual progress indicator updates (increases) as the user finishes a habit User can click on the habit to view or edit its details or delete the habit | <ul style="list-style-type: none"> ViewHabitActivity User |
|--|---|

RegisterActivity

- | | |
|---|---|
| <ul style="list-style-type: none"> Register the user with username and password Stores username and password in firebase firestore Ensures username is unique (if not asks to enter a different username as it is taken) | <ul style="list-style-type: none"> User WelcomeActivity |
|---|---|

LoginActivity

- | | |
|--|--|
| <ul style="list-style-type: none">• Allows user to login with their credentials (username and password)• Ensures password entered is correct by verifying with data in firebase firestore | <ul style="list-style-type: none">• User• WelcomeActivity |
|--|--|

WelcomeActivity

- | | |
|---|--|
| <ul style="list-style-type: none">• Collaborate with Login, Register to give user access to the app | <ul style="list-style-type: none">• LoginActivity• RegisterActivity |
|---|--|