Habot

View

The user are prompt to enter their username and a password that they have created to access a new account.

Prompt and check if the user's username and password that they have entered is correct.

Menu page allows user to pick an action that is successfully logged in.

LoginActivity (class)

- Username/Email/Phone: EditText
- Password: EditText
- Incorrect/Username: TextView
- LoginButton: Button
- SignUpButton: Button
- + onCreate(Bundle savedInstanceState): Bundle): void

SignUpActivity (class)

- Username/Email/Phone: EditText
- Password: EditText
- CancelButton: Button
- SignUpButton: Button
- BackToSignUpButton: Button
- + onCreate(Bundle savedInstanceState): Bundle): void

MenuActivity (class)

- Habit_button: Button
- Daily_habit_button: Button
- Follower_button: Button
- Following_button: Button
- Habit_detail_button: Button
- Log_out_button: Button
- + onCreate(Bundle savedInstanceState): Bundle): void

«InterFace» Habit Event Interface

- + viewHabitEventList
- + viewDetailHabitEvent
- + addNewHabitEventDetail

HabitEventActivity (class)

- HabitEventNameText: Button
- AddHabitEventButton: Button
- habitEventNameList: ArrayList<Habit_Event>
- habitsAdapter: ArrayListHabit_Events>
- habitEventList: ListView
- + onCreate(Bundle savedInstanceState): Bundle): void

This activity will display all the habit events that user created.

HabitEventDetailActivity (class)

- ttle: FirebaseTextView
- habit_name: TextView
- habit_comment: TextView
- habit_photo: ImageView
- select status: RadioButton
- edit_button: Button
- display image: ImageView
- habit events: ArrayList<Habit Event>
- delete_button: Button
- deleteButton: Button
- geolocation: TextView
- + onCreate(Bundle savedInstanceState): Bundle): void
- + onUpdateUI(): View): void

Display a detail information of the habit event that user previously created.

Manages

«InterFace» Habit Interface

- + viewHabitList
- + addNewHabit

HabitDetailActivity (class)

- HabitDetailNameText: Button
- AddHabitEventButton: Button
- habitsAdapter: ArrayListHabit_Events>
- habitEvent: ArrayList<Habit Event>
- title: FirebaseTextView
- habit_name: TextView
- habit_comment: TextView
- habit_photo: ImageView
- habit_geolocation: TextView
- + onCreate(Bundle savedInstanceState): Bundle): void

This activity will display a list of habits.

«InterFace» Calendar Interface

- + viewCalendar
- + selectDate

CalendarActivity (class)

- + onCreate(Bundle savedInstanceState): Bundle): void

Prompt user to select date for a habit.

TodayHabitActivity (class)

- TodayHabitNameButton: Button
- TodayHabitDetail: LabView
- TodayHabitAdapter: TodayHabitAdapter
- TodayHabitList: ListView
- TodayHabitData: ArrayList<Habit>
- + onCreate(Bundle savedInstanceState): Bundle): void

This activity will display all habits of the current day.

«InterFace» Daily Habit Interface

- + viewHabitList

Launch

Instantiates

Manages

Has

Uses

Notes

Text

Control

This activity will allow user to add a new habit event

AddHabitEventActivity (class)

- CancelHabitEventButtonButton: Button
- titleButton: Button
- comment: EditText
- status: EditText
- time: EditText
- Photo: ImageView
- ttle: FirebaseTextView
- habit_events: ArrayList<Habit_Event>
- habit_photo: ImageView
- status_group: RadioGroup
- + onCreate(Bundle savedInstanceState): Bundle): void
- BundleTime: String
- BundleComment: String
- BundleDuration: String
- BundleLocation: String
- imageUri: Uri
- mAuth: FirebaseAuth
- geolocationServices: TextView
- mFusedLocationClient: FusedLocationProviderClient
- FusedLocationProviderClient
- addLocationButton: Button
- + onCreate(Bundle savedInstanceState): Bundle): void
- + onUpdateUI(): View): void

MapsActivity (class)

- Geoloy: ArrayList<GeoPoint>
- addHospital: LocationAdapter
- mMap: GoogleMap
- mMap: GoogleMap
- + onCreate(Bundle savedInstanceState): Bundle): void
- + onMapReady(GoogleMap): GoogleMap): void

Set geolocation for the habit events

AddImageActivity (class)

- CAMERA REQUEST_CODE: int{readOnly}
- PICK_IMAGE_REQUEST: int{readOnly}
- imageUri: Uri
- imageUri: Uri
- mAuth: FirebaseAuth
- upload: Button
- camera: Button
- gallery: Button
- imageView: ImageView
- + onCreate(Bundle savedInstanceState): Bundle): void
- + onImageUri(): Uri
- + onActivityResult(int requestCode, int resultCode, Intent data): void

Upload an image from local gallery or take a new picture for habit event.

FirebaseController (class)

- + mAuth
- + mDatabase
- + mUser
- + init()

Uses

AddReportActivity (class)

- checkBox: CheckBox
- reasonEditText: EditText
- titleEditText: RadioGroup
- habitEventList: ArrayList<Habit_Events>
- habitEvent: ListView
- privacy: String
- time: String
- comment: String
- checkDate: Date
- habitReportTitle: String
- habitReportId: String
- title: FirebaseFirestore
- mAuth: FirebaseAuth
- habitReportComment: String
- habitReportReason: String
- CancelButton:TextView
- habitEventEditText: EditText
- habitEventSpinner: Spinner
- HabitEventSpinner: TextView
- CancelButtonToHabitButton: Button
- + onCreate(Bundle savedInstanceState): Bundle): void
- + onUpdateUI(): View): void

After the user click the New Habit Button is pressed. The habit report provided create a new habit.

SendRequestList (class)

- context: Context
- requests: ArrayList<Request>
- + sendToRequest(int position, Context context, ArrayList<Request> requests): void
- + getView(int position, View convertView, ViewGroup parent): View
- + getItem(int i): Object
- + getItemId(int i): int
- + holdFriendRequest(Request): Request): void
- + CancelRequest(int i): int): void
- + acceptRequest(int i): int): Request

Action for user to send following request to other users.

Model

Notes

+ Public
- Private
Protected
~ Package
Text Comments
Static