



Keeping You Ahead of the Game!

Group - 41

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Splash Screen



- This is the screen that first appears every time the application is launched
- It acts as a buffer screen while the application loads the embedded functionalities and activities.
- This start-up screen comprises of :
 - ◆ The Application Logo
 - ◆ The Application Name (SCHEDULE IT)
 - ◆ The Application Tagline
- This Splash screen then takes the user to the next functional screen after a buffer time of 2 seconds.

Login Page

**HELLO THERE,
WELCOME
BACK**

Sign In to continue

Email

kscharkha@gmail.com

Password

.....



GO

NEW USER. SIGN UP

SIGNIN WITH GOOGLE



CONTINUE WITH FACEBOOK

→ *Three ways to sign-in:*

- ◆ Sign-in with Email ID, Password
- ◆ Sign-in with Gmail Account
- ◆ Sign-in with Facebook

→ *Technology used:*

- ◆ Material.io (Layout)
- ◆ Google Firebase Integration
- ◆ Facebook Firebase Integration

WELCOME

Enter details to register

0/15

Username should have minimum 4 characters and no spaces allowed



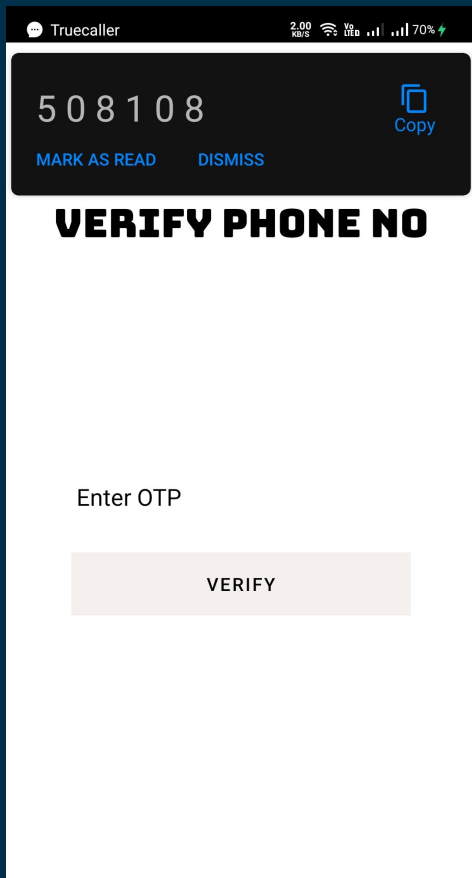
Use atleast one special character in password

REGISTER

ALREADY HAVE AN ACCOUNT? LOG IN

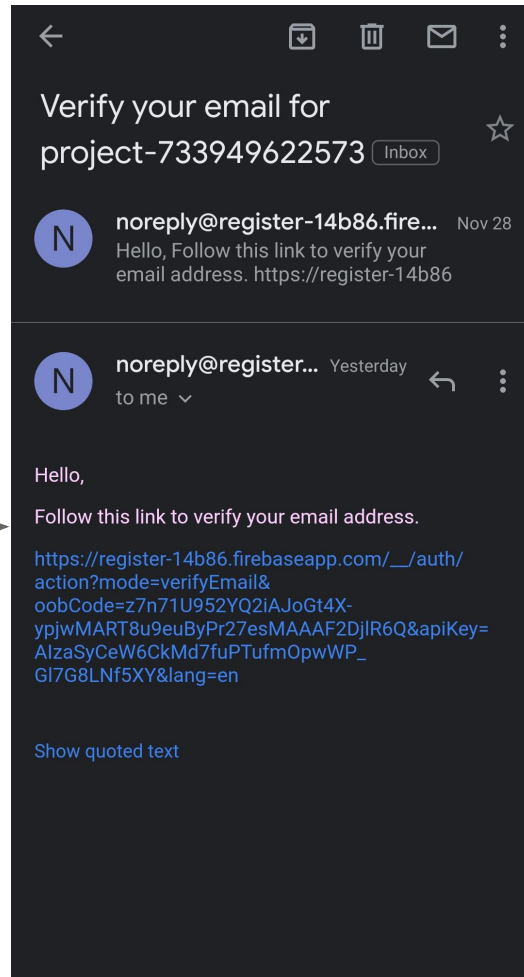
Registration Window

- Before accessing the app functionalities, the user is required to register by entering some basic details
- Username, Phone No, Email and Password are validated using appropriate RegEx
- Two step authentication:
 - ◆ Phone Number Verification by unique OTP
 - ◆ Email ID Verification through verification link
- *Technology used:*
 - ◆ Material.io (used for Layout)
 - ◆ Firebase Phone Authentication
 - ◆ Firebase Email Verification



← OTP Verification

Email Verification →

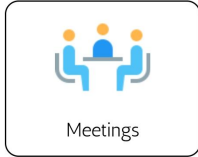


Professional Dashboard

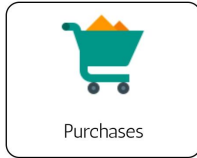
Schedule It - Professional  

'For every minute spent organizing, an hour is earned'

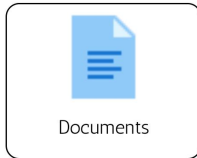
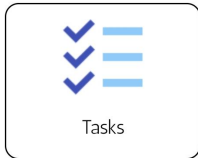
Work



Home



Other



→ The Professional Dashboard is subdivided into 3 independent sections:

◆ Work

- Meetings
- Mails
- Project Goals
- Points to remember
- Others

◆ Home

- Daily Expenses
- Purchases
- Maintenance
- Payments Due
- Others

◆ Other

- Tasks
- Documents
- Calendar

→ Depending on the requirement of the specific node, a customized To-Do List / Notification Generator is called.

Student Dashboard

Schedule It - Student



'You never know what you have until you clean your room'

Academics



Assignments



Test Schedule

Home



Daily Expenses



Purchases

Other



Tasks



Documents

→ The Student Dashboard is subdivided into 3 independent sections:

◆ Academics

- Assignments
- Test Schedule
- Daily Goals
- Submissions
- Others

◆ Home

- Daily Expenses
- Purchases
- Maintenance
- Payments Due
- Others

◆ Other

- Tasks
- Documents
- Calendar

→ Depending on the requirement of the specific node, a customized To-Do List / Notification Generator is called

Salient Features of Dashboard

→ **Code Reusability:** Each card in both dashboards individually call a function for To-do list Activities or Notification Generators

- ◆ This enhances reusability, and reduces overtime space usage, run-time complexities, code readability and debugging, etc.

→ **Ease of User Transferability**

- ◆ Some of the cards are common in both the Dashboards, and allow the users to switch between Dashboards (based on their dynamic requirements), without loss of any information




→ **Logout**

- ◆ Users can easily logout through the option on the top-right of the screen - and login through another account


→ ***Technology Used***

- ◆ Firebase Realtime Database


Android Development




Project - Schedule It




28-10-2020




10:42 AM



None





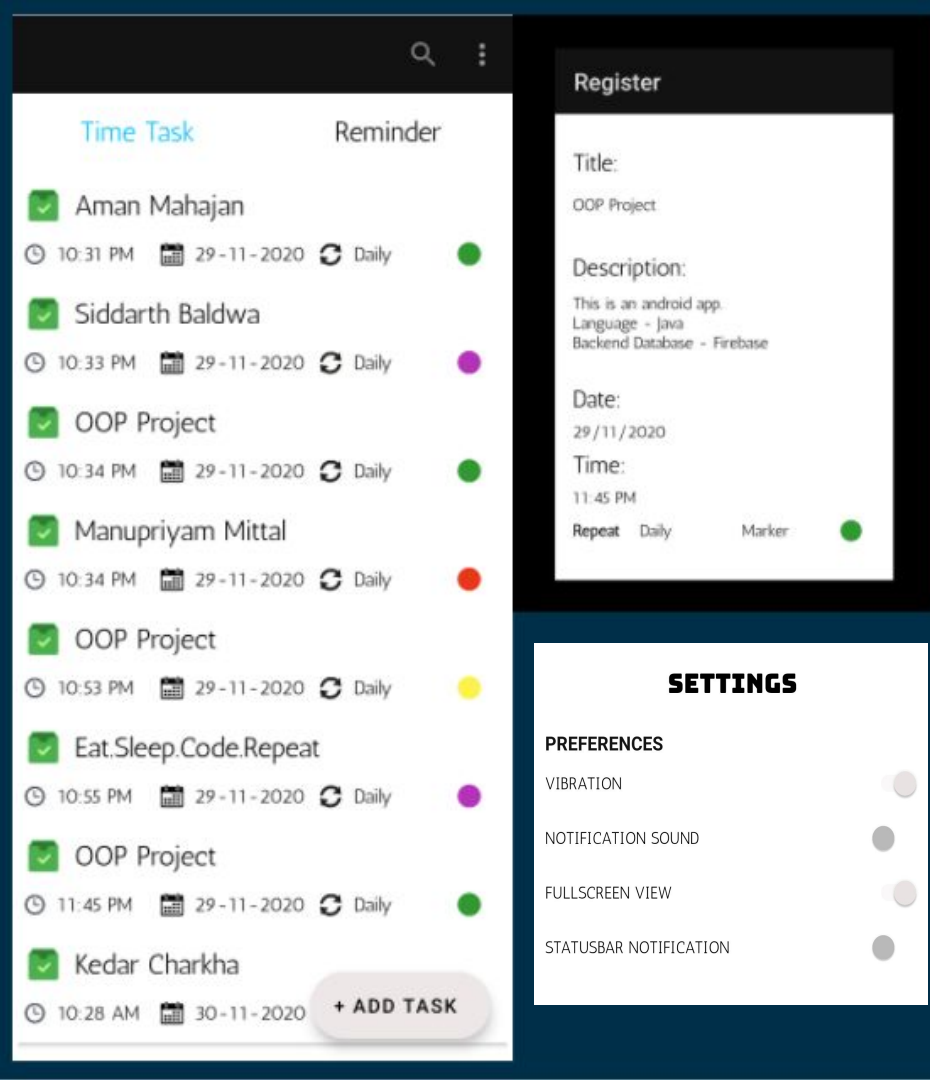
SET

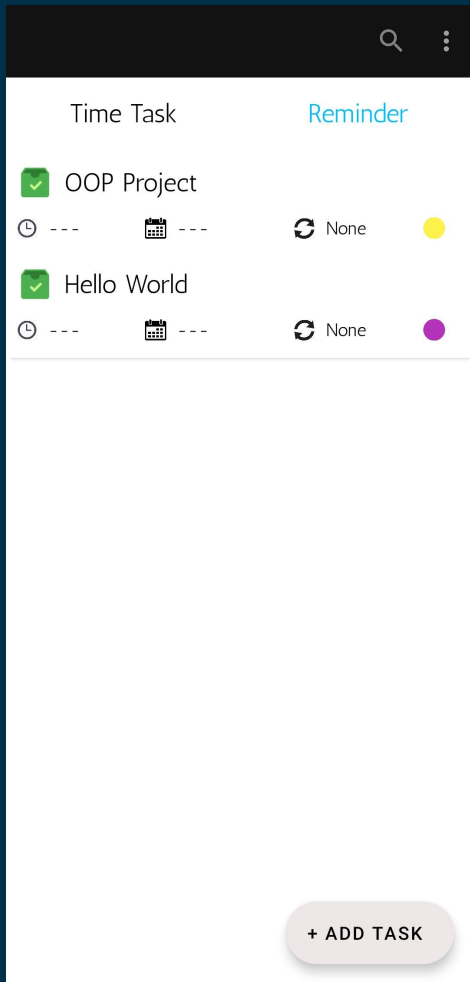
Task Scheduling

- **Timed Tasks:** Set tasks and reminders
- **Functionalities provided:**
 - ◆ *Add Task*
 - Add calling and messaging related tasks by choosing contacts from Contact List
 - Google speech recognition option available to add tasks using speech
 - ◆ *Add Description*
 - ◆ Schedule a Date and Time for Reminder
 - ◆ Add priority (Marker)
 - ◆ Add repeat options - Daily, Monthly, Weekly, Yearly, None
- **APIs Used :** Calendar, Clock , Google Speech-to-Text

Timed Task List

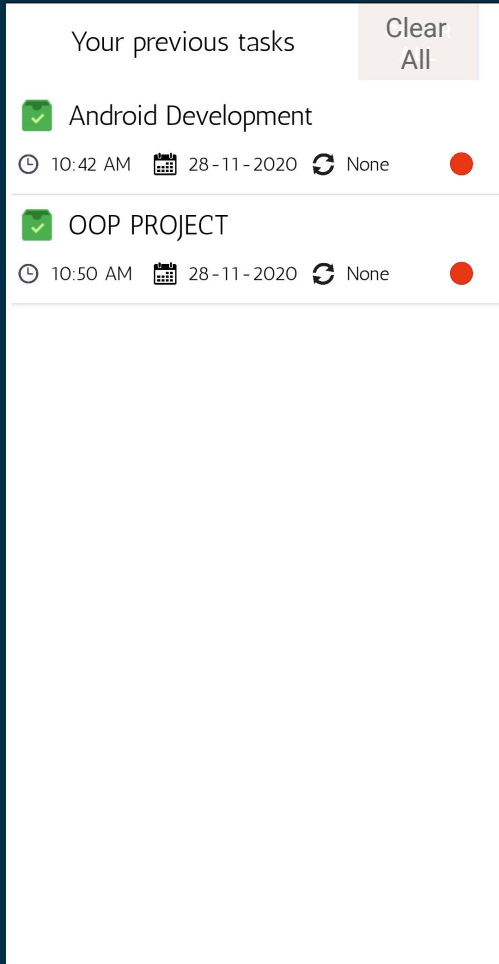
- Remindable tasks for a particular category
- Functionalities Added:
 - ◆ Pop-up Dialog added to display complete information on click
 - ◆ Tasks deleted 1-min (customizable) after the scheduled time
 - ◆ Tasks retrievable from Past Tasks after deletion
 - ◆ Search Bar added to easily navigate and filter tasks
 - ◆ Customizable settings for notification receipt
- Database used:
 - ◆ Firebase Realtime Database





Reminder List

- To-Do list for a particular category in addition to reminders
- Here, the user is provided with the following functionalities, which assist in keeping a track of daily goals:
 - ◆ Add a Task
 - ◆ Delete a Task - Swipe Functionality
 - ◆ Add Priority - Marker
- Tasks retrievable from Past Tasks after deletion
- Database used:
 - ◆ Firebase Realtime Database



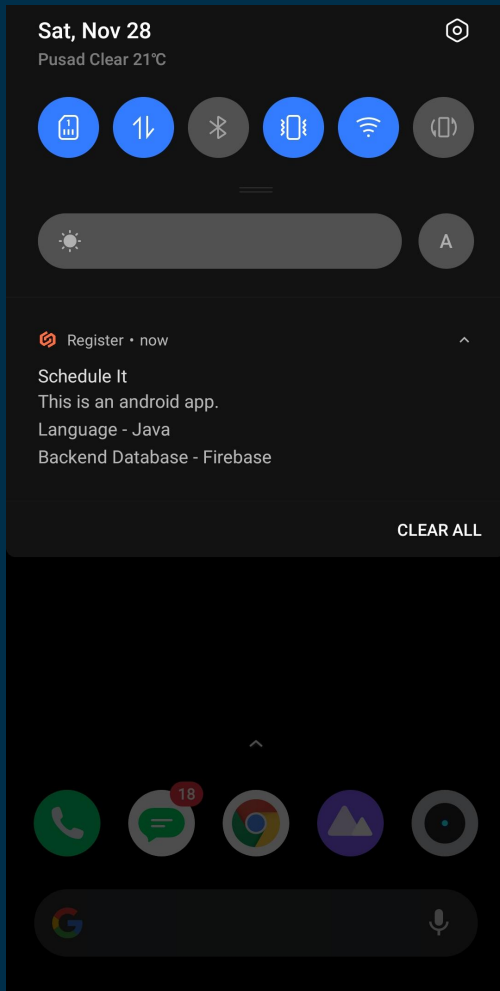
Past Tasks List

- Stores all the expired tasks (after timer ends) and is retrievable for future reference.
- Tasks deleted from this list are deleted permanently.

Functionalities:

- Delete Task- Swipe Functionality
- Pop-up window on click to view complete information
- Clear All Functionality to clear the list.

- ***Database Used*** - Firebase Realtime Database



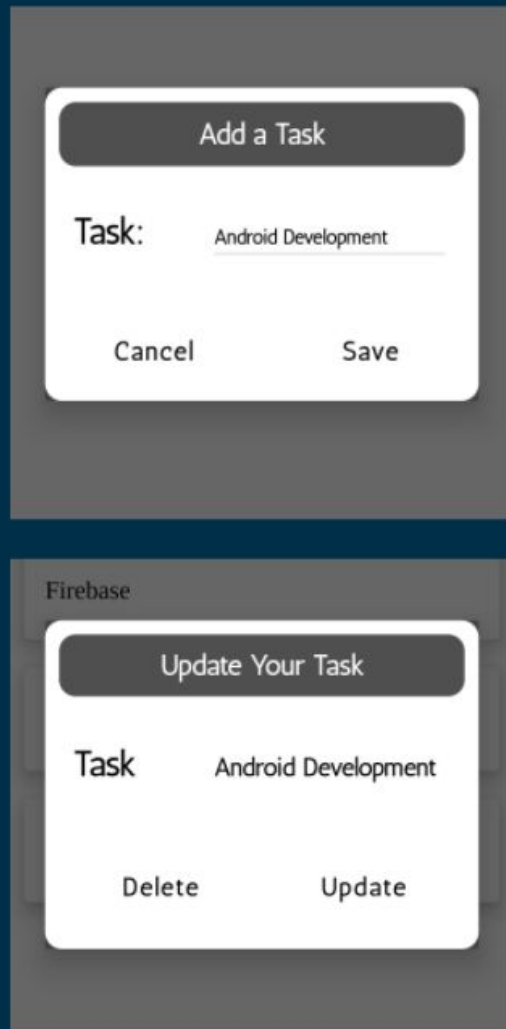
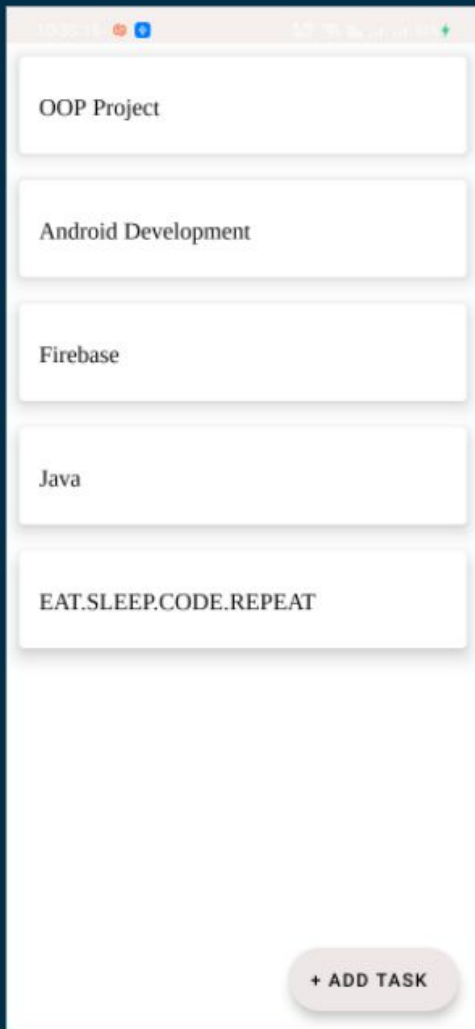
Notifications:

→ *Personal Notifications:*

- ◆ Sent using Notification Manager.
- ◆ Includes Activity to be done (Title) and the respective details
- ◆ Customizable options :
 - Enable/Disable Sound
 - Enable/Disable Vibration
 - Enable/Disable status bar notifications.

→ *Daily User Engagement:*

- ◆ Sent daily notifications at a particular time (schedulable) using Firebase Cloud Messaging
- ◆ Notifications customizable based on client groups, topics etc.
- ◆ Includes Title, Description
- ◆ Option to Enable/Disable Sound available.



To-Do List

- This is the most general form of a task-manager function.
- Here, the user is provided with the following **functionalities**, which assist in keeping a track of daily goals:
 - ◆ Add a Task
 - ◆ Update a Task
 - ◆ Delete a Task
- **Technology used:**
 - ◆ Firebase Database

Register

UPLOAD A PHOTO

Blossom

CAMERA

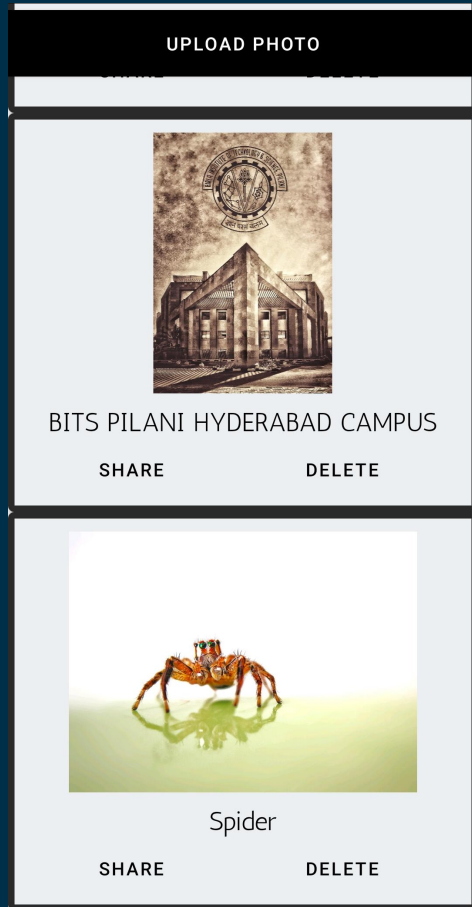
UPLOAD FROM GALLERY

UPLOAD



Upload A Photo

- Images can be uploaded from
 - ◆ Camera
 - ◆ Gallery
- Image View of Photo Selected displayed before uploading.
- Images are stored on cloud . So can be retrieved anytime, anywhere .
- ***Technologies :***
 - ◆ Firebase Storage
 - ◆ Firebase Realtime Database



Displaying Uploaded Photos



Functionalities :

- ◆ Image View of Photos Stored
- ◆ Sharing of Image
- ◆ Deleting Image
- ◆ Zoom photos from Image View itself.















Technologies :

- ◆ Glide : An image loading and caching library for Android focused on smooth scrolling.
- ◆ Firebase Realtime Database
- ◆ Firebase Storage
- ◆ PhotoView : Implementation of ImageView for Android that supports zooming, by various touch gestures.

FireBase Console - Storing Authentication Data

- The registration details of all registered users are listed in a unified FireBase Authentication Module.
- The corresponding Identifiers and Registration modes are listed along with their respective Date Created/Signed in and User IDs.
- If a user registers manually and by using Google Sign-in with the same Email Address, then his data is automatically linked by the server.
- These can be accessed, monitored, managed and deleted as per the FireBase controller's discretion **ONLY** - to maintain privacy and data security.

Identifier	Providers
f20180880@hyderabad.bits-pi	
+919405946054	
+917874684848	
siddarthbaldwa@gmail.com	
kscharkha@gmail.com	 
manupriyammittal01@gmail.c	
amanmahajan10400@gmail.c	
kedarsagar.2011@rediffmail.c	
+919370209247	
kedar@gmail.com	
+919027372067	

Database Description

- The Firebase Realtime Database is a cloud-hosted database. Data is stored as JSON and synchronized in realtime to every connected client.
- **users:** Stores client's profile information
- **tasks:** Stores client's available in non-reminder type general to-do lists.
- **Users:** Stores information available in Reminder-Type lists under respective user id. These lists include
 - ◆ Timed Tasks Lists
 - ◆ Reminder Lists
 - ◆ Past Task Lists tree.
 - ◆ This node also stores the relevant settings information as under its respective List ID.
- **Photo:** Stores information available in lists containing pictures. Pictures are stored in Firebase Storage and their imageurl image URL is stored under the respective client ID



Thank You .