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GitHub Username: akashnits

NIT Silchar Alumni

Description

NIT Silchar Alumni app offers a platform to alumni, student and faculty of the institute to connect, collaborate and engage with vast network of NITS Alumni working in various organization worldwide. We aim to open the doors to new and exciting opportunities, steer you toward challenging job openings.

The unique features of the app will help users to stay updated to news, achievements, events and jobs.

Intended User

Alumni, students and faculty of NITS

Features

List the main features of your app.

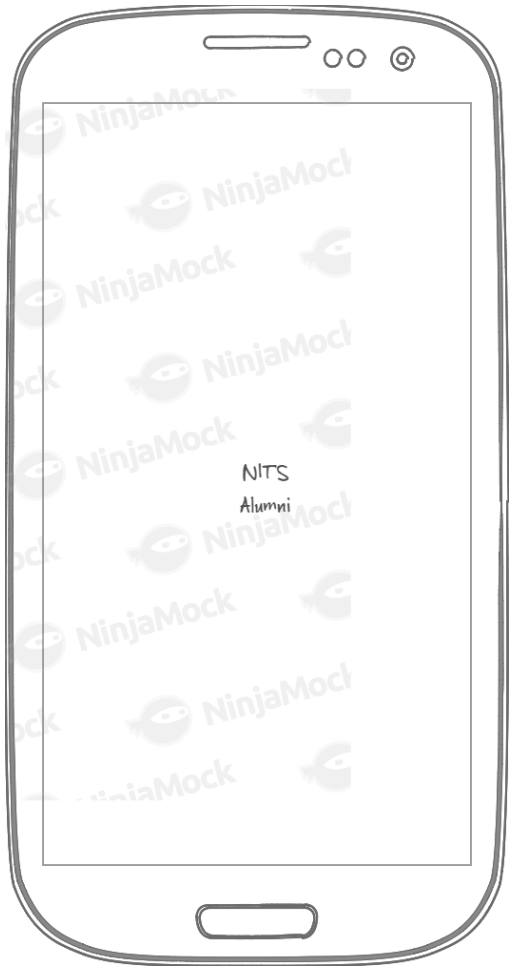
- Login, Signup and Password reset functionality
- Uploading data to server (e.g. Job postings, events, achievements etc.)
- Fetching data from server and displaying it (e.g. Job postings, events, achievements etc.)
- Saving Alumni details on server (firebase database)
- Searching and filtering alumni
- Searching posts using keywords
- Enabling offline capabilities
- Like, comment and share on a post (Optional)
- Invite others to download the app (Optional)

User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

Screen 1

Splash Screen



Screen 2

Sign Up

Screen 3

Additional Details Sign up

Screen 4

Login

Screen 5

Forget Password

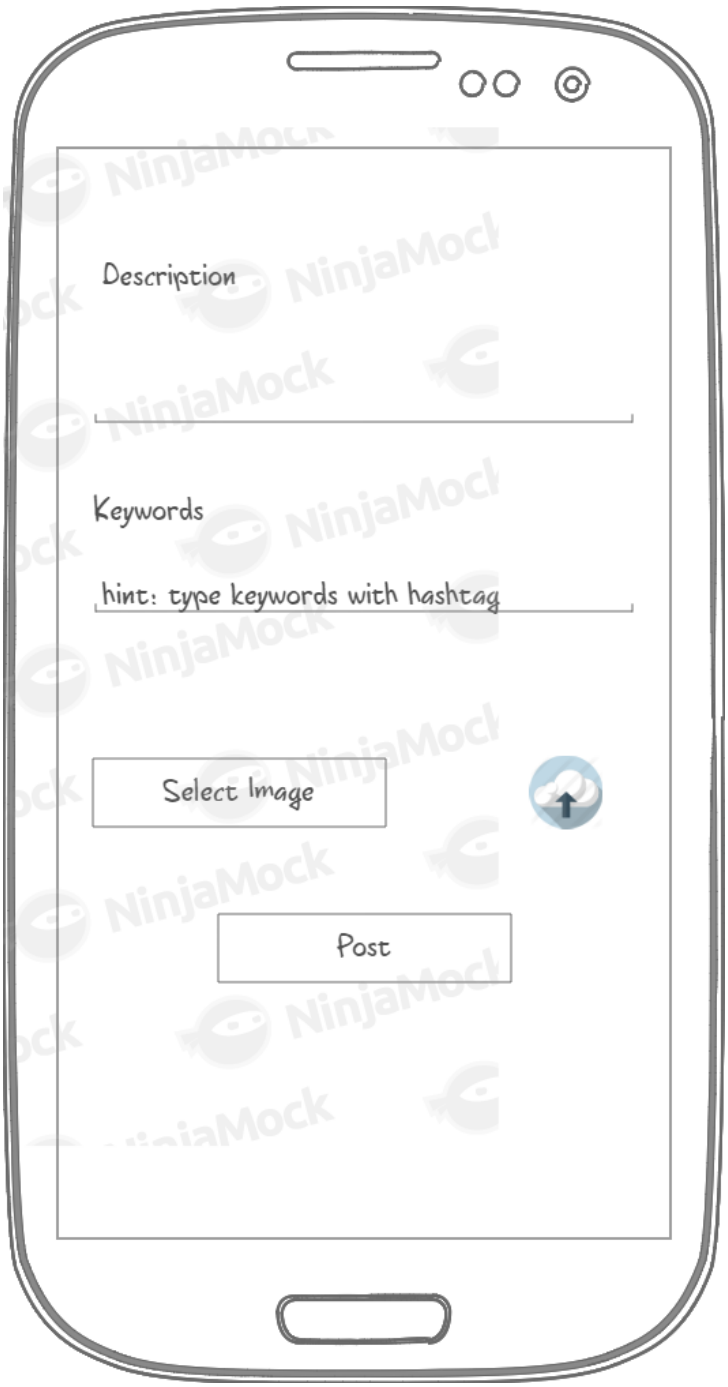
Email
Verify

Screen 6

Home page

Screen 7

Create post



Screen 8

Alumni

Alumni
search alumni by name
Two-Line List Item With Icon
This is some text.
Home
Alumni
Jobs
Bookmark

Screen 9

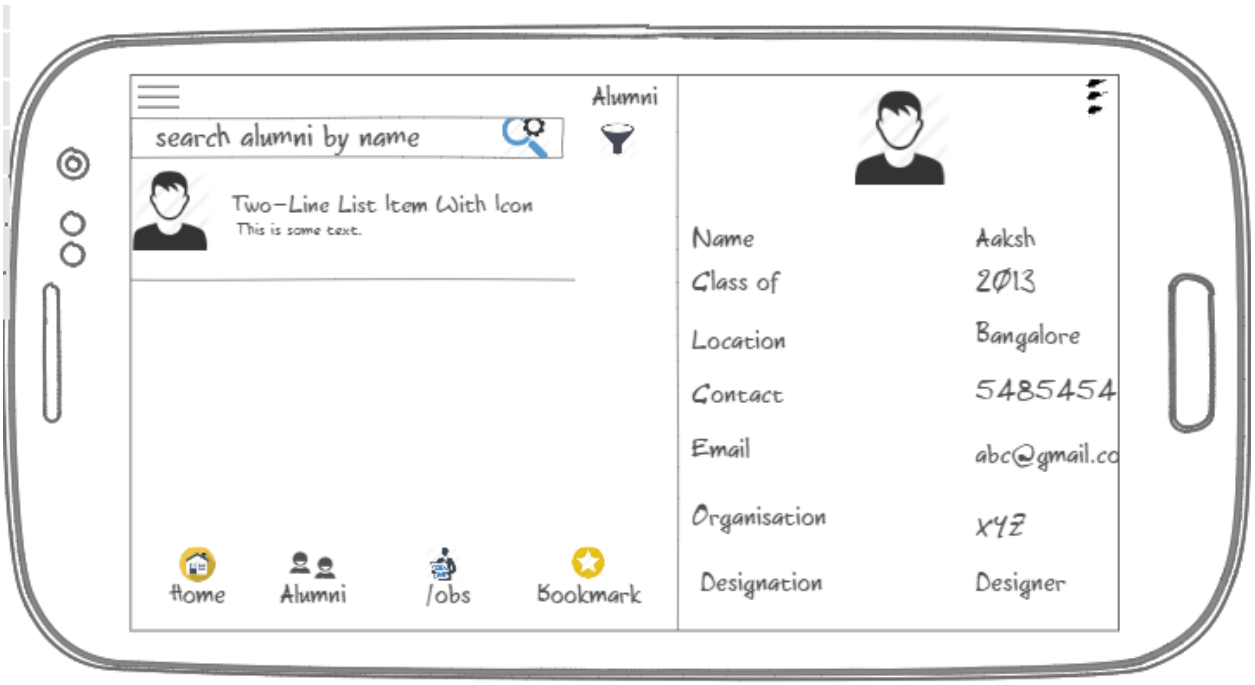
Alumni Details

Screen 10

Filter Alumni

Screen 11

Alumni Screen on Tab

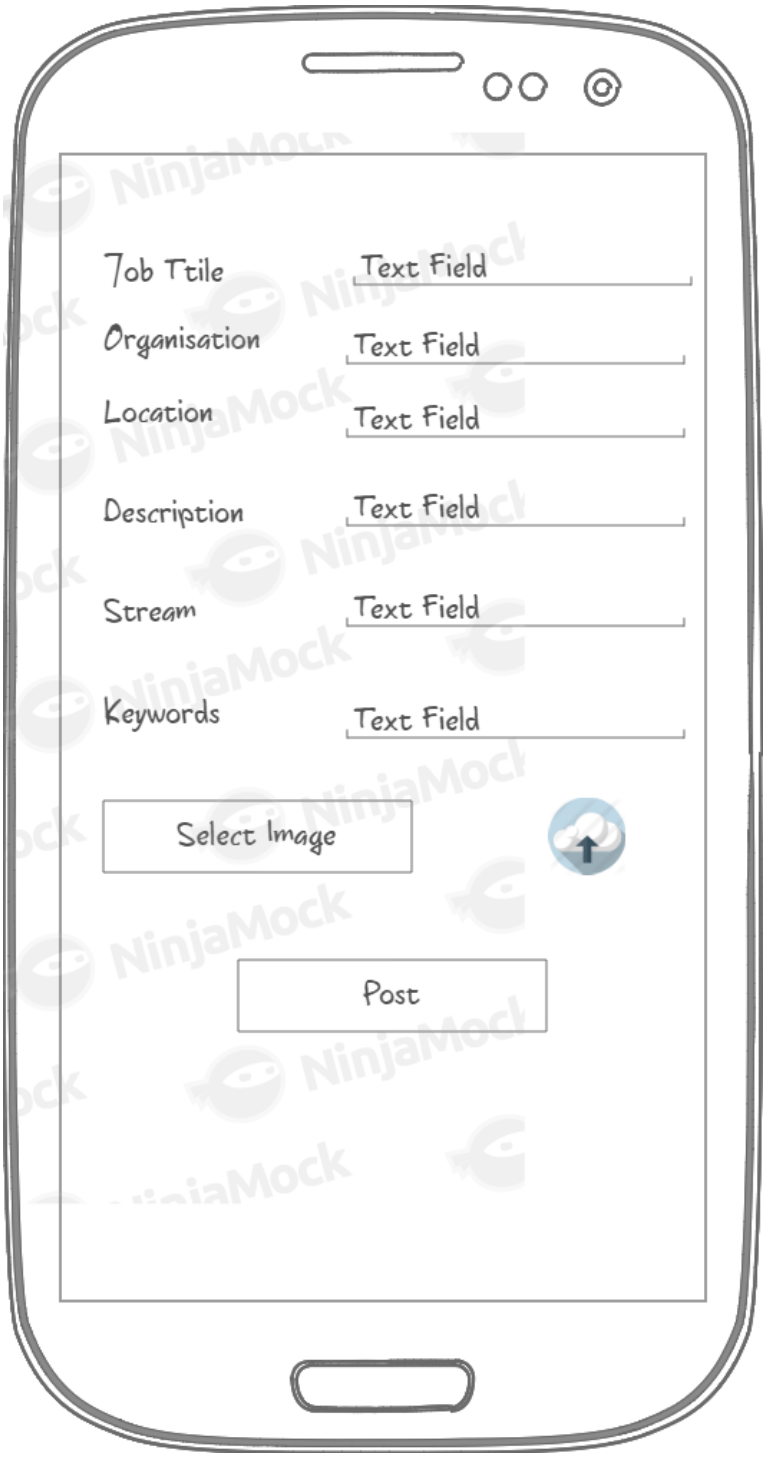


Screen 12

Jobs

Screen 13

Post Job



Screen 14

Filtering Jobs

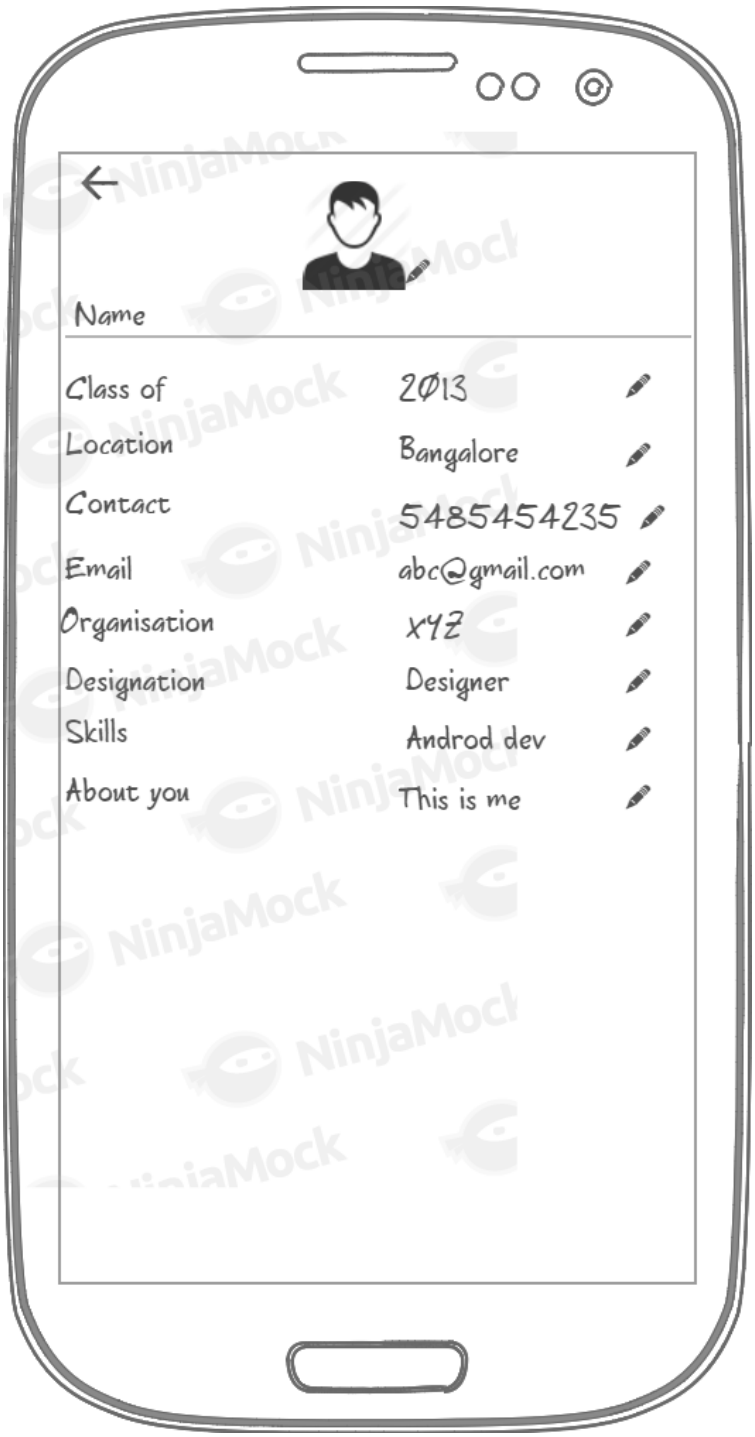
Filters
location
organisation
stream
Apply

Screen 15

Bookmarks

Screen 16

My Profile



Screen 17

Navigation Drawer

Screen 18

Widget

Job title
Location
Organisation
Time
Hiring 2 years experienced Android developer who is passionate about learning new technologies

Key Considerations

How will your app handle data persistence?

I'm going to use the following for data persistence:

Firebase Realtime database to store data.

Describe any edge or corner cases in the UX.

Navigating between fragments using back button.

Filtering and searching posts and alumni as required.

Describe any libraries you'll be using and share your reasoning for including them.

Libraries:

1. Butter-knife
2. Picasso

Describe how you will implement Google Play Services or other external services.

Services:

1. Firebase for implementing Login and storing data on server
2. Location to get location of alumni while sign up

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

Task 1: Project Setup

- Create a firebase account and set up the project to use firebase realtime database, authentication etc.
- Add dependencies for third party libraries like Butterknife, Picasso etc.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks.

- Build UI for Splash screen
- Build UI for Sign Up
- Build UI for Additional Details Sign up
- Build UI for Login
- Build UI for Forget Password
- Build UI for Home
- Build UI for creating post
- Build UI for Alumni screen
- Build UI Alumni Details screen
- Build UI for Filtering alumni
- Build UI for Jobs
- Build UI to post jobs
- Build UI for filtering Jobs
- Build UI for Bookmarks
- Build UI for my profile
- Build UI for navigation Drawer
- Build UI for widget

Task 3: Login, SignUp, Database

- Implement Sign up and Login functionality
- Implement password reset functionality
- Implement firebase realtime database to store user data
- Implement adapter to display data in recyclerView

Task 4: Search, Filter and Upload

- Implement AsynTask for searching and filtering
- Implement uploading profile picture

Task 5: Navigation drawer, Widget and Tablet Layout

- Implement Navigation drawer and widget
- Implement Tablet layout for Alumni and details screen

Submission Instructions

- After you've completed all the sections, download this document as a PDF [File → Download as PDF]

    - Make sure the PDF is named "**Capstone_Stage1.pdf**"
- Submit the PDF as a zip or in a GitHub project repo using the project submission portal

If using GitHub:

- Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
- Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"