CAPSTONE PROJECT 1

CS392

PROJECT PLAN

Collaborative Interest App

Project Sl. No.: 31

NU Faculty Mentor: Mr. Amit Kumar

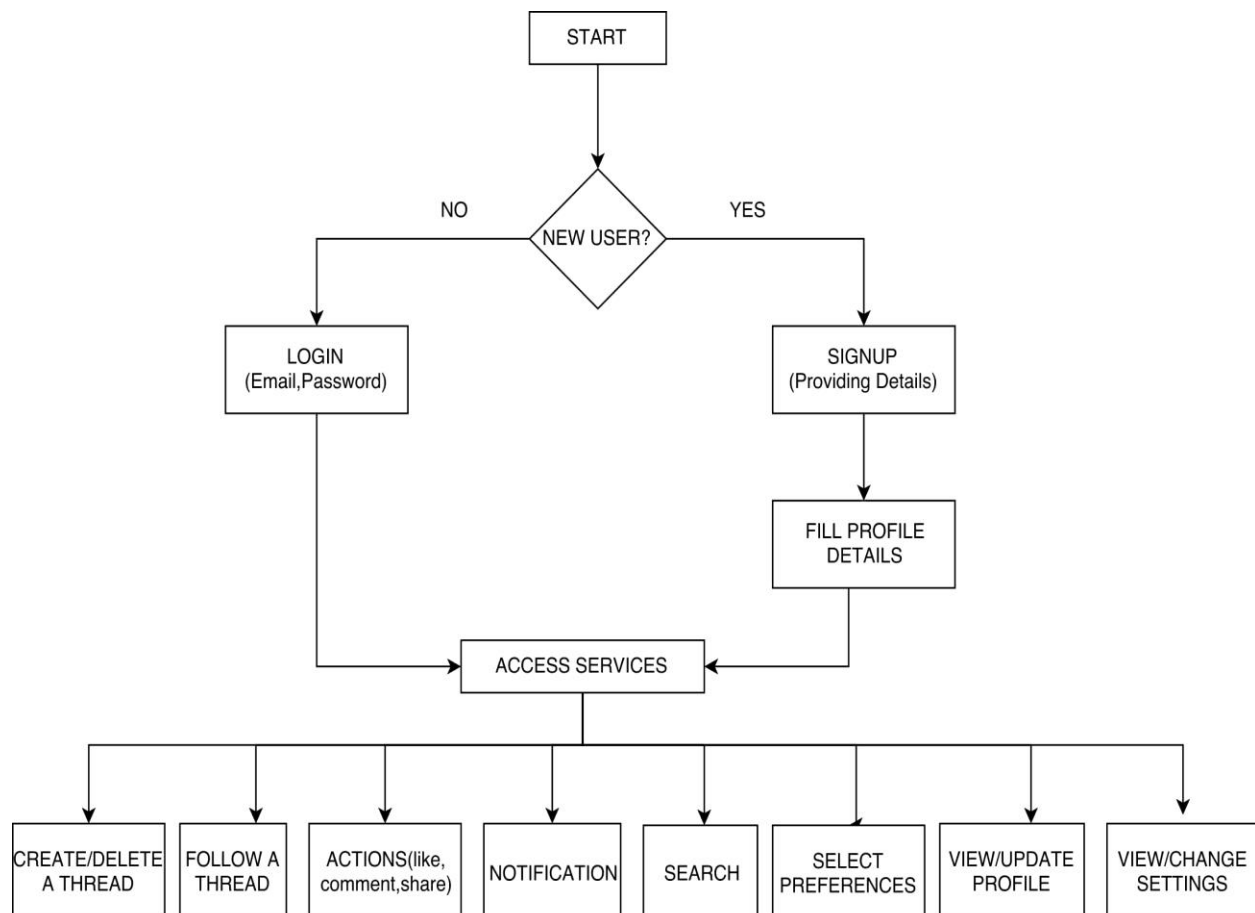**NIIT Faculty Mentor: Mr. Pradeep Prakaash Nandi**

DESCRIPTION OF THE PROJECT:

We've named our project as Consonant.

Consonant is an android application that enables a set of people to build a knowledge repository on a specific topic or point of interest. It allows users to create topic threads which can then be shared with a set of people who can add messages, snippets from the web, links to videos or images etc. with comments to this thread.

In this way, people with similar interests can connect with each other and collaborate on their tasks and plans.

FLOWCHART:

Consonant is an Android Application that enable a set of people to build a knowledge repository on a specific topic or point of interest. It will consist of different verticals on which people can create threads such as travel, Life Style, Education, Movies, Anime, Music, Games, TV Shows, Sport, Philosophy, Psychology, Medicine and Pharmacy, Science and Technology and others based upon their interest. The App will consist of various features such as Login/Signup, select preferences among the verticals, Create/Delete a thread, follow a particular thread, Actions (like, comment, share) that they can take on a particular thread, can receive various Notifications, Update profile information (Can change Preferences), will be able to view other's profile, Search for threads or people.
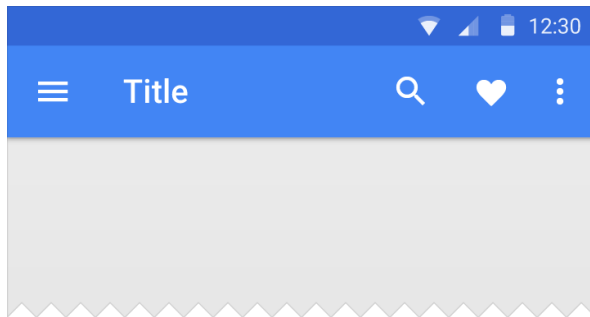
TEAM MEMBERS DETAILS:

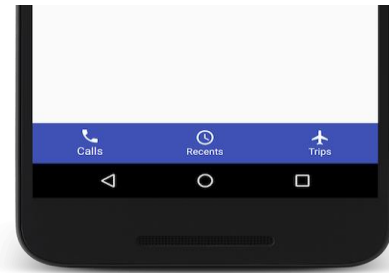| SL. NO.	STUDENTS NAME	ENROLLMENT NUMBER	EMAIL ID
1.	Kumari Renuka	U101115FCS111	kumari.renuka@st.niituniversity.in
2.	Shailesh Mohta	U101115FCS305	shailesh.mohta@st.niituniversity.in
3.	Rishabh Kumar Kandoi	U101115FCS283	rishabhk.kandoi@st.niituniversity.in
4.	Sudarshan Raghavan	U101115FCS215	sudarshan.raghavan@st.niituniversity.in
5.	Harshit Budhraja	U101216FCS395	harshit.budhraja@st.niituniversity.in

APPROACH, DESIGN AND WORK DISTRIBUTION:

We will be using a modular approach in order to develop the application successfully. Hence the application consists of the different phases and modules. An overview of the division of the project into phases and modules is as follows.

- **BUILDING THE SKELETON DESIGN**
  (Shailesh Mohta, Sudarshan Raghavan)

  By skeleton app, we mean that the basic framework is set up, along with the gradle build files and scripts. This module will also include building the toolbar and the navigation view.

Toolbar

Bottom Navigation View

- **AUTHENTICATION PAGE DESIGNS**
  (Kumari Renuka, Rishabh Kumar Kandoi)

The next module is to design the layouts for login and sign up screens of the app. A design that we thought of is as follows.

- **BACKEND INTEGRATION OF AUTHENTICATION**
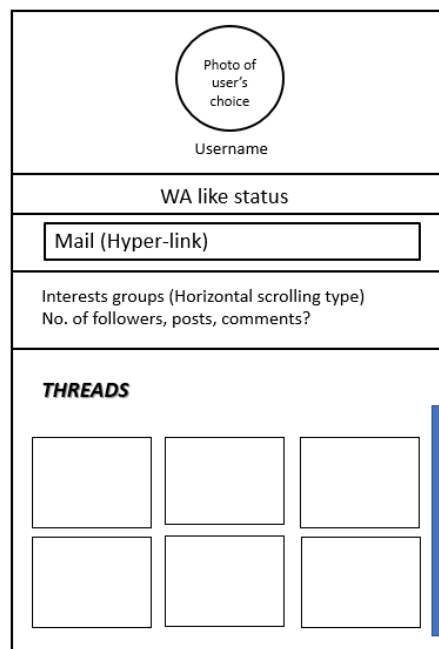 (Harshit Budhraja, Rishabh Kumar Kandoi)

After the design layouts are done, we will start integrating the app design screens with a suitable backend. So, by the end of this phase, our app will have a functionality of registering a new user, logging in through an account, viewing profile and managing some account settings.

The authentication module will also include email verification procedure which comes into the picture during user registration.

- **PROFILE MODULE AND MENU DESIGN**
  (Shailesh Mohta, Sudarshan Raghavan, Rishabh Kumar Kandoi)

In this module we'd be implementing the profile, which the user sees when he/she clicks on one of the tabs on the bottom navigation view. A basic design of the profile layout that we have thought of is as follows.

- **ACCOUNT SETTINGS AND USER FEED DESIGN**
  (Kumari Renuka, Harshit Budhraja)

After completing the profile design, the next step would be to start off with Account Settings page, which contains options like Logout, Notification Settings etc. Next would be to design the user feed, which the user sees just when he/she opens our application. This feed will consist of topics and threads related to the interest of the user. A basic design of this is as follows.

The wireframe text:

Logo (On clicking it redirects to the home page)

Sign in button/Profile photo

Image

Username; Interest group

Post (In Hyper-link , Image, gif or video previews here)

More posts hyperlinks displayed one after another

TIMELINE:

Consonant		Complete team	API team	Android team										
PHASE		DETAILS	Q1 (10th Jan - 25th Feb)			Q2 (26th Feb - 15th March)			Q3 (16th March - 10th April)			Q4 (11th April - 25th April)		
			10 days	15 days	21 days	6 days	6 days	6 days	10 days	10 days	6 days	5 days	5 days	5 days
1	Project Conception and Initiation	- Project Planning - Plan Review and team division - Initiation												
2	Skeleton Building	- API Environment setup - Android App setup - Designing the API Endpoints - Designing the Android Flow - Building a test endpoint - Building a test android thread												
3	Development Phase	- API Endpoints - Android Backend - UI/UX improvements - Sampling with test data												
4	Testing Phase	- Testing the API independently - Testing the app independently - Collaborative testing - Performance improvements and bug fixes												
5	Project Closing	- Minor documentation - Pitch Deck Preparation - Pitch and Close												

PROJECT END