



Graduation Project Documentation

“Career Aptitude Pocket Instructor”

**A Project Submitted in partial fulfilment of the
requirements for the Degree of Bachelor of Science in
Systems and Computers Engineering**

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Each graduation project is assigned to an examiner committee. The committee has three members nominated by the graduation project committee. The examiner committee has a president, and two more members such that the project supervisor is one of the two members. The name, rule, and signature of each examiner is shown in the following table. The examiners' signatures are required before students can submit their project final report/documentation. Therefore, students are responsible for asking each examiner to sign next to his name in the following table.

Examiner Committee

Name	Rule	Signature
Prof.	President	
Dr. Ali A. Halawa	Supervisor	
Dr.	Member	

ABSTRACT

CAPI is a mobile-based comprehensive tool to help picking and developing your best match career while enriching you with a community of like-minded people.

Be it copycat decisions, multi-interest confusion or poor consistency and planning People generally fail to land a fitting career and keep it going, things end up in a mess! Based on hundreds of researches and expert's recommendations we build a progressive system to professionally asses your personality traits, strengths and weaknesses, offers you the best possible match of career options and takes you into a full community-based road map to master your craft, in addition to a variety of field-specialized communities on websites like Reddit, Linked-in and Facebook to enrich you learning experience.

KEYWORDS: Personality; Career; Road Map; Community; Self Development

ACKNOWLEDGEMENTS

“First, praises and thanks to God, the Almighty, for his blessings throughout my work.
Second, I wholeheartedly dedicate this graduation project to my dear parents, and my
awesome team members for their continues effort, limitless support and
Encouragements.

I would like to express our deep gratitude to my supervisor Dr. Ali Halawa and for his patient guidance, valuable and constructive suggestions, enthusiastic encouragements and useful critiques through the planning and the development of the whole project.

My grateful thanks are also extended to Prof. Ali El Semary, Head of Systems & Computers Engineering Department at Al Azhar University College of Engineering and The Project Steer Committee Members: Prof. Abd El Rahman Nasr, and assistant Teacher Mr. Ahmed Shokry.

Last but not least, I specially devote the work of this project to all honourable teachers and colleagues who tremendously contributed to my academic professional progression and self-Development.”

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GLOSSARY AND ABBREVIATIONS

- CAPI** Career Aptitude Pocket Instructor
MBTI Myers Briggs Type Indicator System
PSC Project Steer Committee

CHAPTER 1: INTRODUCTION & OVERALL DESCRIPTION

1.1 Introduction

1.1.1 Purpose

The purpose of this document is to present a detailed usage and functionality of CAPI Project. The release no of the document is 1.0. It will explain the features and the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to an external behavior. This document is intended for both the stakeholders and the developers of the system

1.1.2 Document Convention

This document follows MLA Format. The bold-faced text has been used to emphasize section and sub-section headings. Highlighting is to point out words in the glossary and italicized text is used to label and recognize diagrams

1.1.3 Intended Audience and Reading Suggestions

This document is intended for the development team, the project managers, marketing staff, testing team and documentation writers. The SRS has been organized approximately in order of increasing specificity. The developers and project managers need to become intimately familiar with the SRS. Others involved need to review the document as such:

Overall Description – Marketing staff have to become accustomed to the various product features in order to effectively advertise the product.

System features – Testers need an understanding of the system features to develop meaningful test cases and give useful feedback to the developers.

Nonfunctional and Functional Requirements – For Developers

1.1.4 Product Scope

This software will be Mobile based. It will help Student, Fresh Graduates and Career Shifters to pick their best match career line and provides them with adequate roadmap to reach mastery. More specifically, this application is designed to suggest the best resources and social communities with wide network of peers and likeminded people to engage the user in the optimum learning environment. Later on, the app will provide job opportunities after reaching a certain mastery threshold and training experience.

1.2 Overall Description

1.2.1 Product Perspective

CAPI is a mobile application which will work as the user's mentor or guide to help them discover their inner potential and fields of interest that will be the base for choosing their career.

It is a system that uses statistics provided by the user's answers on different personality and interest quizzes in the first phase of the app to determine the most relevant job zones and specialties for them

1.2.2 Product's Main Functions

- With the application the user will be able to discover more about his/her own self and his personal traits and preferences through a professional *self-assessment*.
- The app then offers a variety of career fields related to the previous test to give the user a taste of each *career's aptitude* job responsibilities, skill-set and work frame.
- Finally, the app guides the user through a *roadmap* designed by lead experts of each career to give him a vivid path towards mastery.
- Furthermore, the app provide social communities to enrich the learning experience of the user

1.2.3 User Classes & Characteristics

There are three kinds of users that may interact with the application:
Students, Fresh graduates and career shifters (phase 1 release).

It is planned to open the app for more user types like private mentors
and training centers (phase 2 & 3 release).

Students and Fresh Grads have similar use of the system so they share
similar requirements, while career-shifters requires different
requirements Mainly the users should have good grasp on English (app
beta) and access to the internet for the third-party social communities

- Students and Fresh grads will have to answer preliminary quizzes
before having a profile page and a specific roadmap
- Career-Shifter can skip the preliminary quiz directly and start filling
their own profile page directly

1.2.4 Operating Environment

CAPI is a hybrid mobile based application which will run on Android,
IOS device having 512 MB RAM, 300MB ROM minimum and for
better performance we recommend 1GB of RAM and 500MB of ROM.

1.2.5 Design & Implementation constraints

- The app will use *third-party website services* for reaching out social
networks like reddit and linked-in.
- The app is restricted for *only one user* at time, the multi users or
account features maybe implemented based on later market analysis
and user needs.
- The app is currently developed and tested on android VM, as the team
currently lacks access to IOS or MAC machines to test the IOS
version

CHAPTER 2: ANALYSIS & SYSTEM SPECIFICATION

2.1 User Stories & Use Cases

The system mainly deals with one type of users (beta version), it is planned in phase 2 and 3 of the software release to provide more interfaces and utilities for more types of users like private mentors and training centers

As we mentioned students and Fresh grads will go through full app experience while the Career-shifters may skip some content, so discussing the user stories from the student perspective should be sufficient

Student Perspective: (Home Page)

After logging into the system, the user will get access to his/her profile page (assuming the assignment quiz is passed and the result already recorded in the database).

- 1 In the profile page the user needs to find a specific section about his/her self, containing personal info like nick name, title, profile picture ...etc, this section would work like an "**ID Card**". The user should be able to preview and modify their personal data of this part.
- 2 There would be another section regarding the most career-related "**Skill Set**" the learner should acquire; the user should be able to explore more about each skill and technology and study courses.
- 3 Social connection and staying informed on the latest tech news is another required feature on the profile page, providing a "**News Feed**" of the most related internships, training and job opportunities is required.
- 4 Proposed by the team members and to provide more ease of use to the user, a "**Bottom Navigation Bar**" containing the social links and the roadmap button will be added to the profile page

Here is a use case diagram elaborating the user interactions with the home page

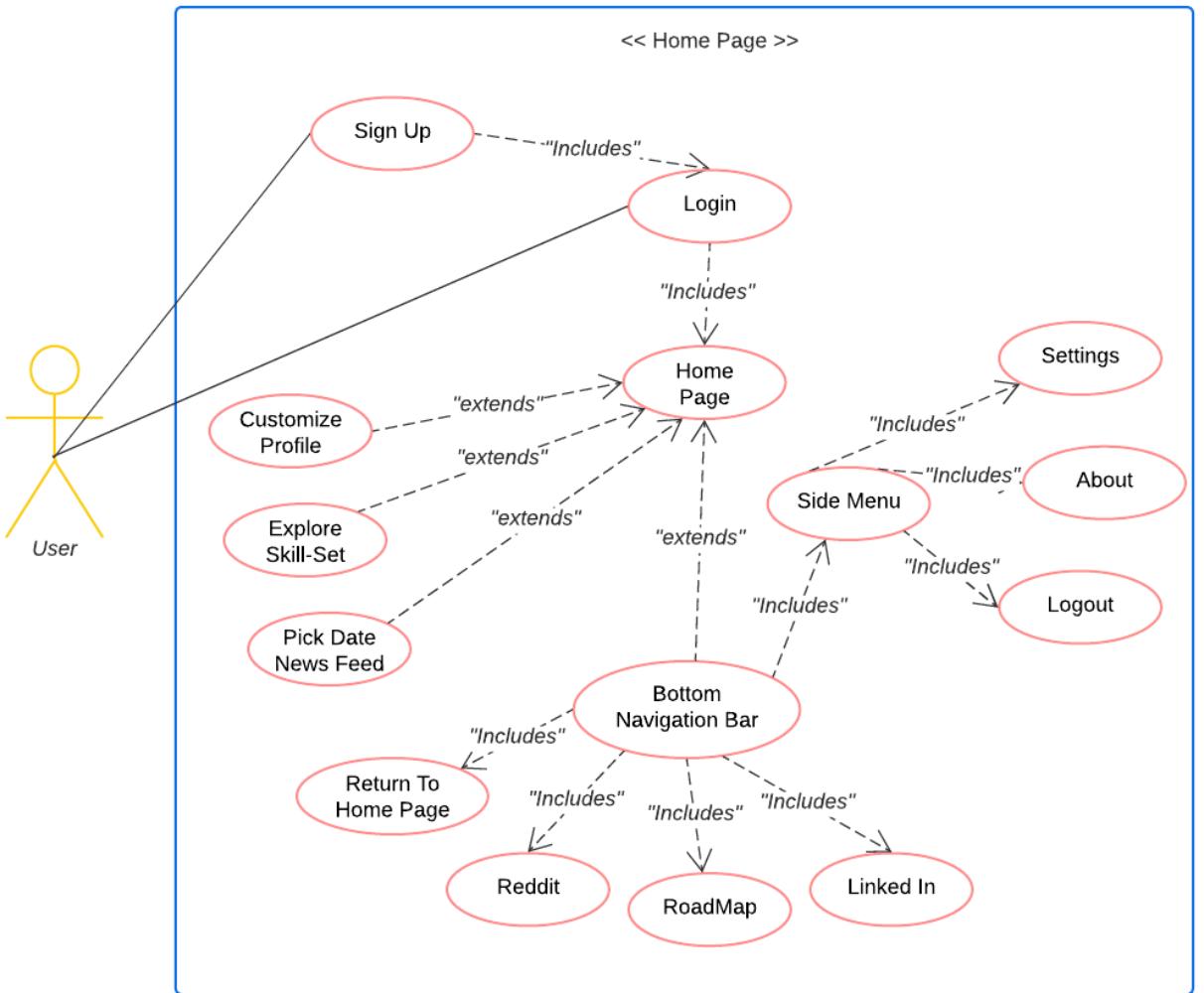


Figure 2.1

Scenarios:

- User can sign-up a new account or login if he is already resisted in the database
- After Logging, the user can view and customize his/her ID Card section, explore a specific skill from the Skill-Set list, or pick whatever catches his interest from the News Feed
- Through the Bottom Navigation bar, the user can transfer to third-party social pages and websites, view the side control menu to reach out other functions like logging out, changing some settings or learn more about the dev team; and also, he can return to the home page through the home button.

2.2 Functional Requirements

Functional Requirement No.	Functional Requirement Description	Priority
FR 1	User should be able to sign up	High
FR 2	User should be able to login	High
FR 3	User should be able to reset password if forgotten	Medium
FR 4	System should save user credential in database	High
FR 5	System should start the quiz after first time sign-up	High
FR 6	System should save quiz result and link it to user data	High
FR 7	System should view careers based on quiz result	High
FR 8	Each Career Card is clickable for more detailed description	Medium
FR 9	User should be able to retake the quiz after getting the results	Low
FR 10	User should be able to enter his home page after selecting a career and confirming his choice	High
FR 11	Home page should view 4 sections: My ID Card, My Skill Set, News Feed, Bottom Navigation Bar.	High
FR 12	User should be able to customize his/her ID Card data	Medium
FR 13	User should be able to explore each skill in the Skill Set	Medium
FR 14	User should be able to pick a date from the news feed	Medium
FR 15	Bottom Bar should contain the following: Home Page Button, Social Buttons, Menu Button, Road Map Button	High
FR 16	User should be able to switch to roadmap page from roadmap button	High
FR 17	User should be able to visit his/her social page by clicking the relative social button	High
FR 18	User should be able to open the side menu by clicking the menu button	High
FR 19	Side Menu should include the: Settings, Logout	Medium
FR 20	Side Menu may include: About Us, Change Theme, Share	Low
FR 21	System may include social activities like: following & followers, VIP subscriptions	Low

2.3 Main Modules

In order to achieve the required system features and maintain simplicity we divided the system into 3 main modules: Assignment module, Profile Module and Road-Map Module...

The first main module that serves as a regulator or filter that takes the user through a set of questions based on the MBTI system and professional work-place traits studies and surveys to Determine his/her weaknesses and strengths that may affect His interactions with other co-workers and managers or even Their practical role within an organization, Revealing the final result as a personality type code that is later Used to suggest the best matching careers form our data base.

ASSIGNMENT MODULE

USER-PROFILE MODULE

This module is dedicated to the user's personal Informations and preferences, it will serve as the Landing page when he logs-in after completing the First assignment quiz, it will contain user's name, Profile picture, and career It will also contain some field-specific skill-set Recommendations based on professionals' reviews Furthermore, it may contain some news feed related To his/her career of choice providing training, Internships and job chances

This module is dedicated to enlighten the user on the best steps to take to reach mastery and in which order ... the road-map is constructed based on community pros Recommendations and personal experiences, to give The user a detailed step-by-step guide in his/her career. Furthermore, this part contains links to third-party web Apps and services to provide not just theoretical but also Practical guidance and hints on each branch of the roadmap.

ROAD-MAP MODULE

2.4 Sub and Auxiliary Modules

1 On Boarding Screens Module

A number of introductory screens with symbolic illustrations and descriptive phrases to give the user a hint of the application's features and what to expect for his first-time experience...

On Boarding screens appear at first time use only and can be skipped; Only the logo screen appears each run after subscribing.



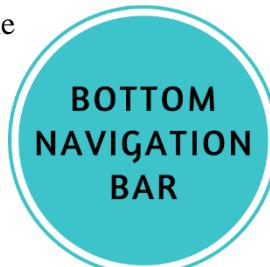
2 Login & Signup Module

Used to claim and save user's credential data at first, and then used to link his quiz result and personal preferences into the database To form the user's profile... Another function of this module is to reset the password in case the user forgot his/her own password



3 Bottom Navigation Bar Module

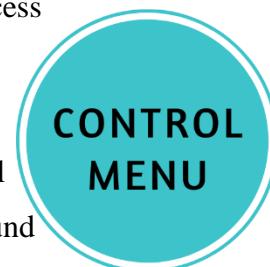
A very flexible module that includes many functions, located at the bottom of the main page, the navigation bar mainly allows going back and forth between the main page and the roadmap page In addition to the road map button, the navigation bar also should also include the social pages buttons and the control menu button.



4 Control Menu Module

The main two functions of this module are to allow the user to access the app settings and to logout if he desires so ...

Another set of functions can be also included, quickly changing the app theme (dark & light), sharing the app with others on social websites, and the famous About-Us page to give a quick background about the Devs and their different products and contact data.



CHAPTER 3: System Design & Architecture

3.1 Design Approach

This project is based on the functional design approach, which helps in understanding the design of the project in a simpler way by explaining its flow, use cases, and implementation more like a modular approach. For example, there are different modules in this project which have separate functionality and, other sub functionalities/modules. All the modules are designed, implemented and integrated together to make a flawless working application.

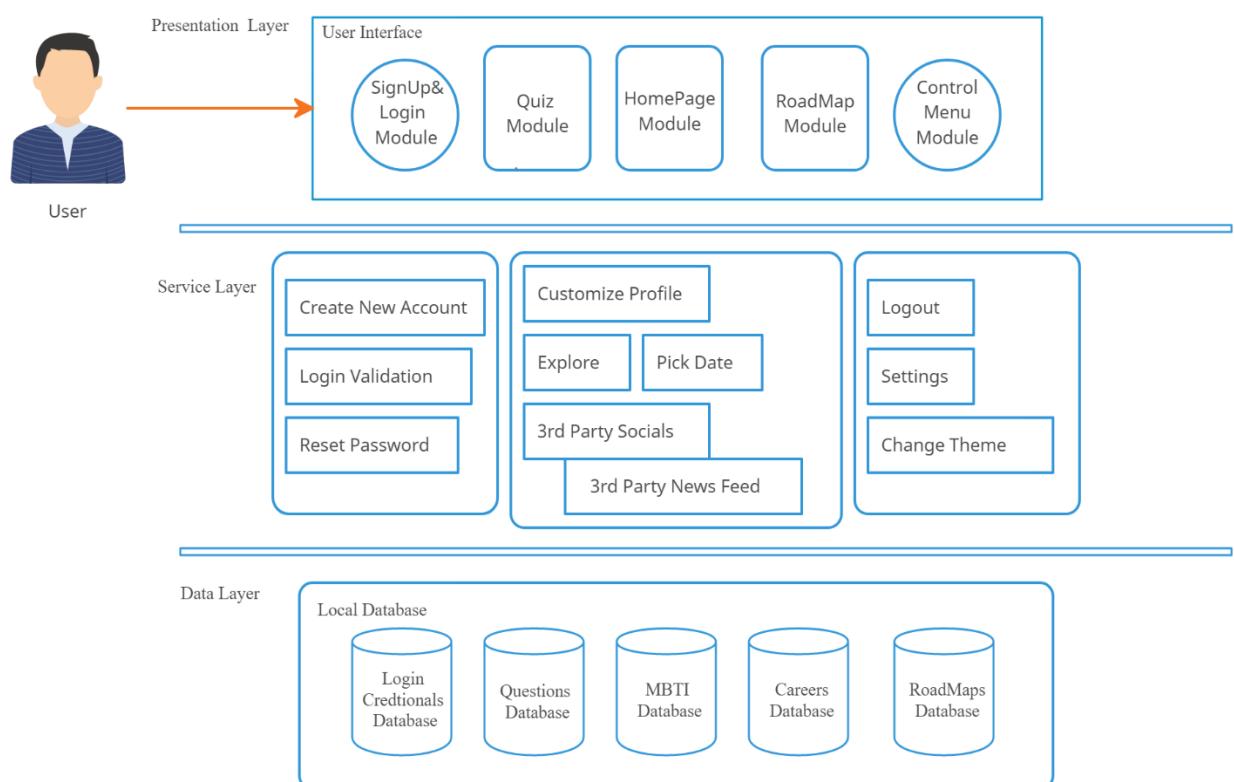
3.2 System Architecture

Following a layered architecture pattern, the system is composed of 3 layers::

Presentation Layer: Contains the user interfaces.

Services Layer: Contains the system's inner processes & services

Data Layer: Contains the different databases located in the local disk



<< Figure 3.2 >>

3.3 Activity Diagrams

This section is a visual representation of a series of actions or flow of control in a particular part of the system, starting by the first module which is responsible of creating and maintaining user credentials for future use...

3.3.1 Login & Sign-Up Activity Diagram :

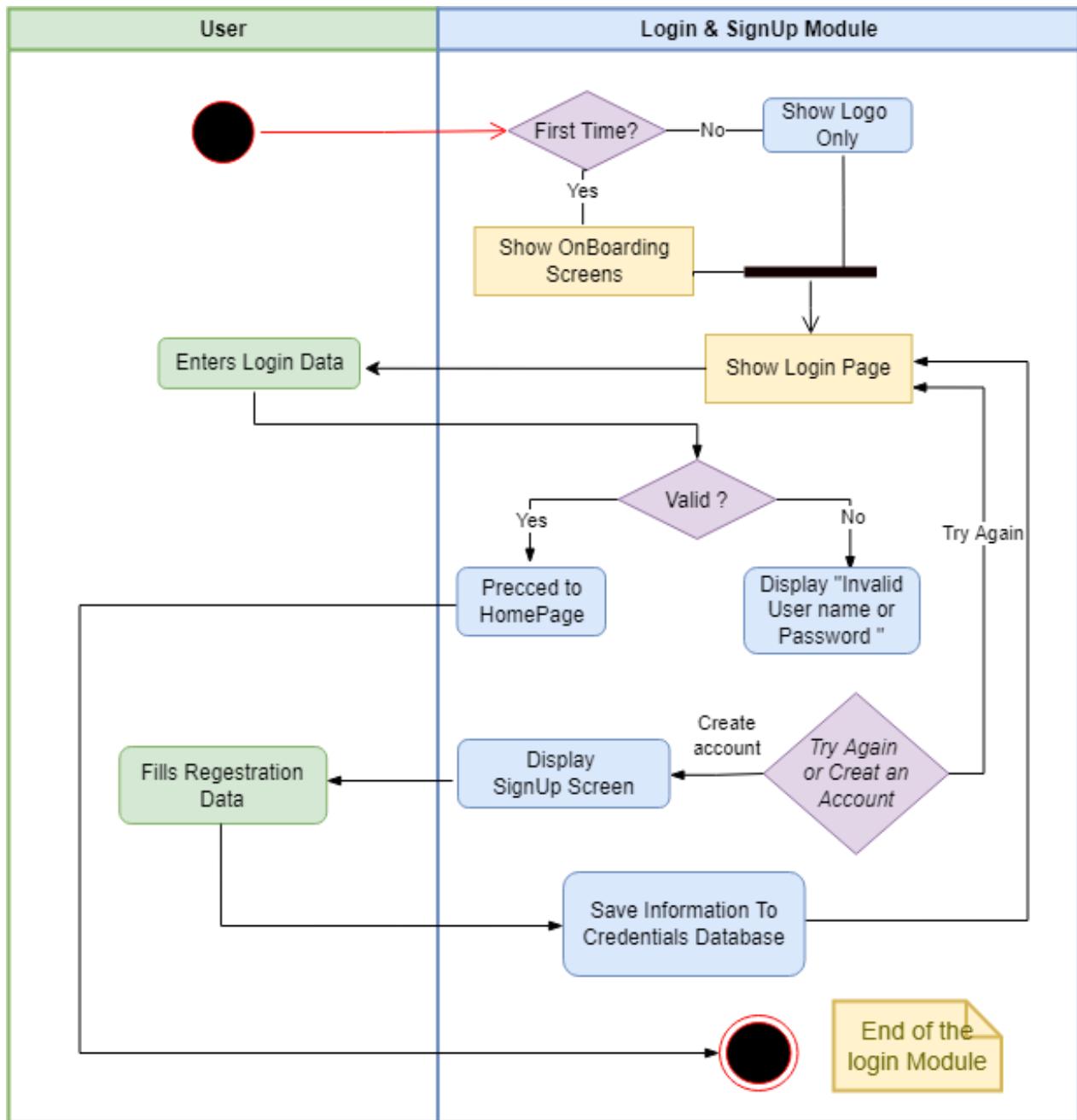
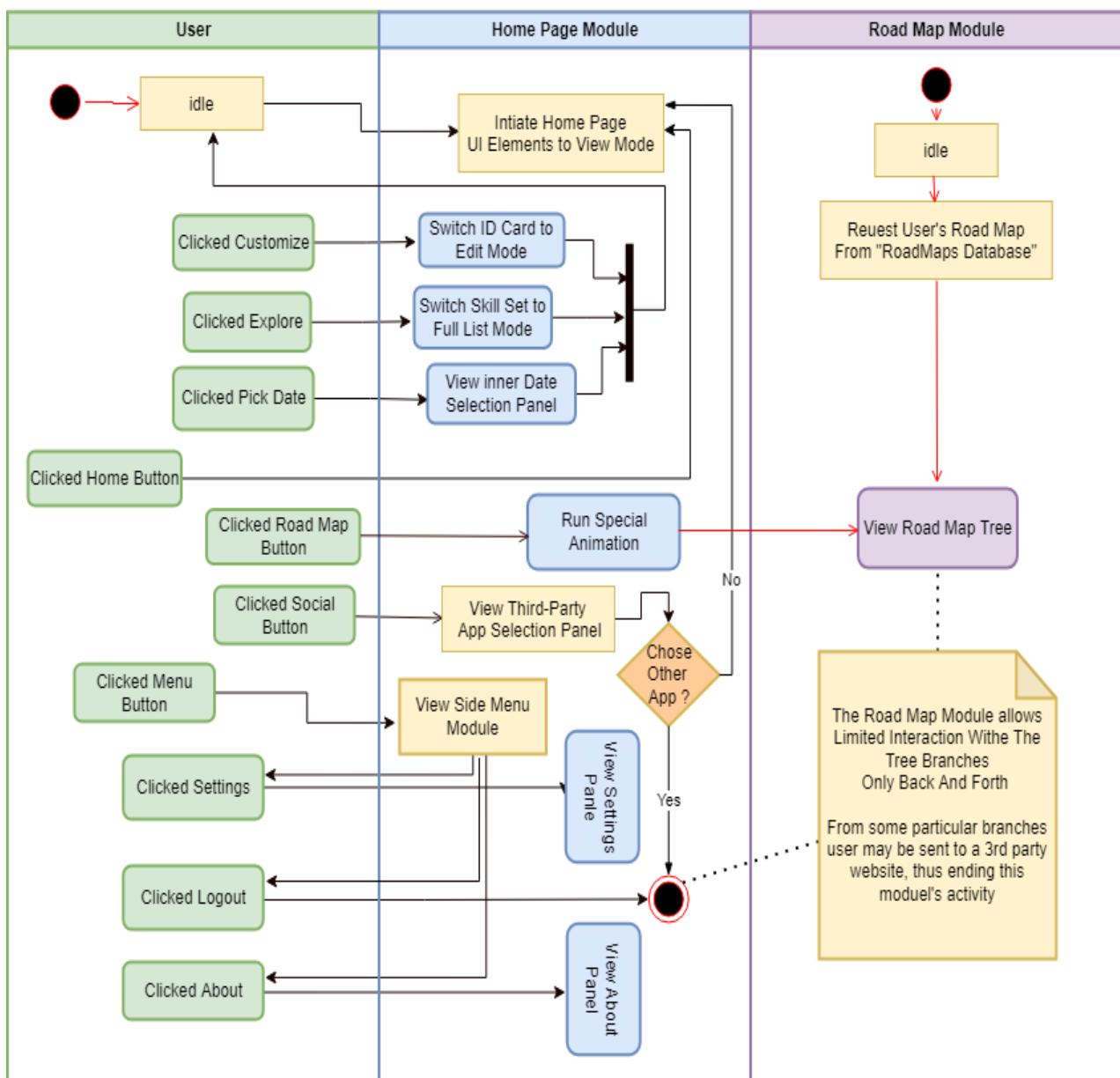


Fig 3.3

3.3.2 Homepage and RoadMap Activity Diagram :

this particular module(s) had been going under underdevelopment while being simultaneously documented, so some features might be added in future work, especially for the side menu section and the roadmap section, and that would be added in the future versions of this documentation.

*Other sub and auxiliary system modules are considered inner-interactions of the three main modules, thus they don't have a stand-alone activity diagrams since they are almost included in the bigger module's diagrams.

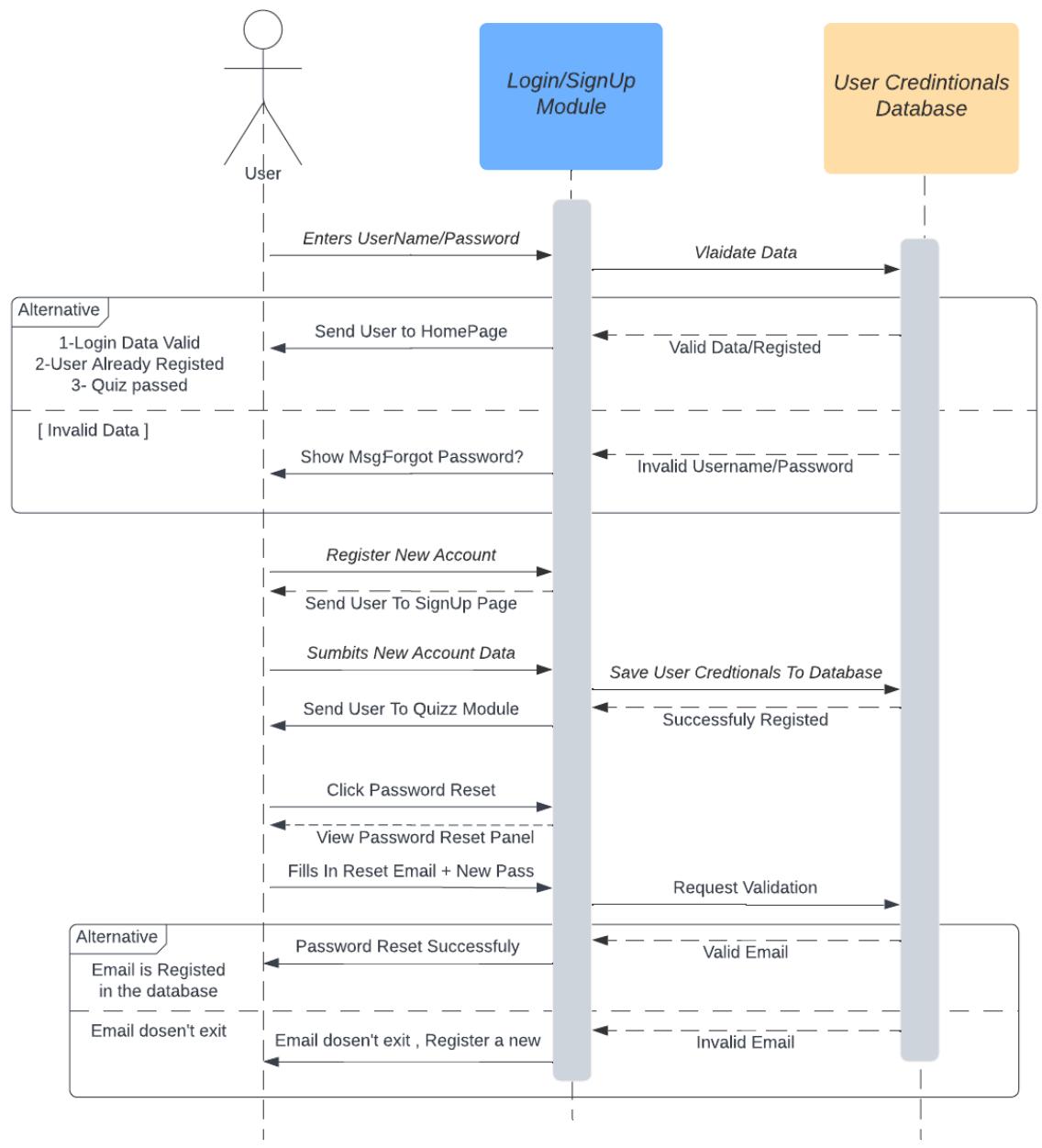


<< Fig 3.4 >>

3.4 Sequence Diagrams

This section visualizes how—and in what order—a group of objects works together. Modeling the logic of a sophisticated procedure, function, or operation. Again we start with the first module that the user come across:

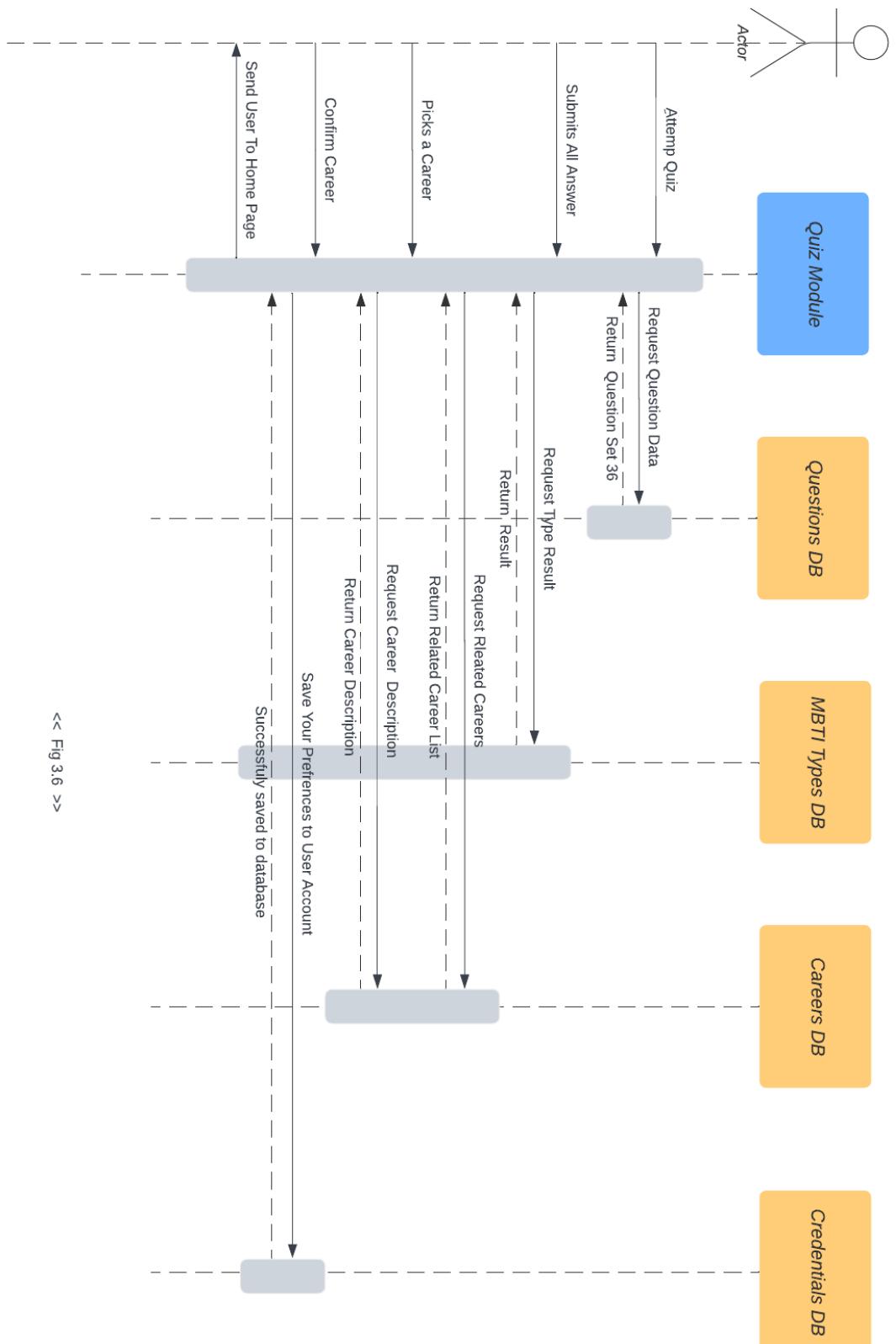
3.4.1 Login & Sign-Up Sequence Diagram :



<< Fig 3.5 >>

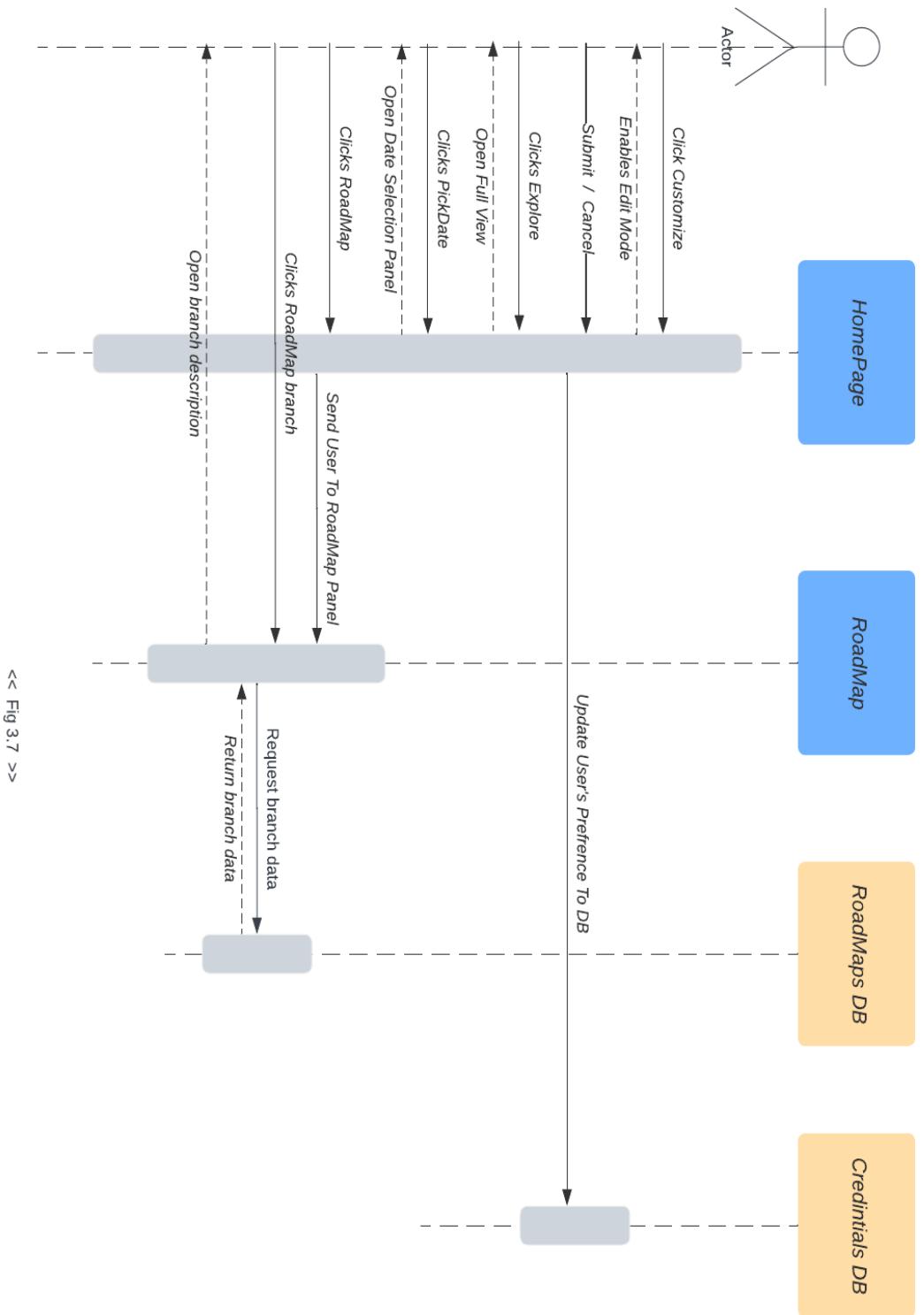
3.4.2 Quiz Sequence Diagram :

* For the sake of a more detailed view, this diagram is shown in a vertical alignment instead of the conventional horizontal alignment. We apologize in advance for any inconvenience.



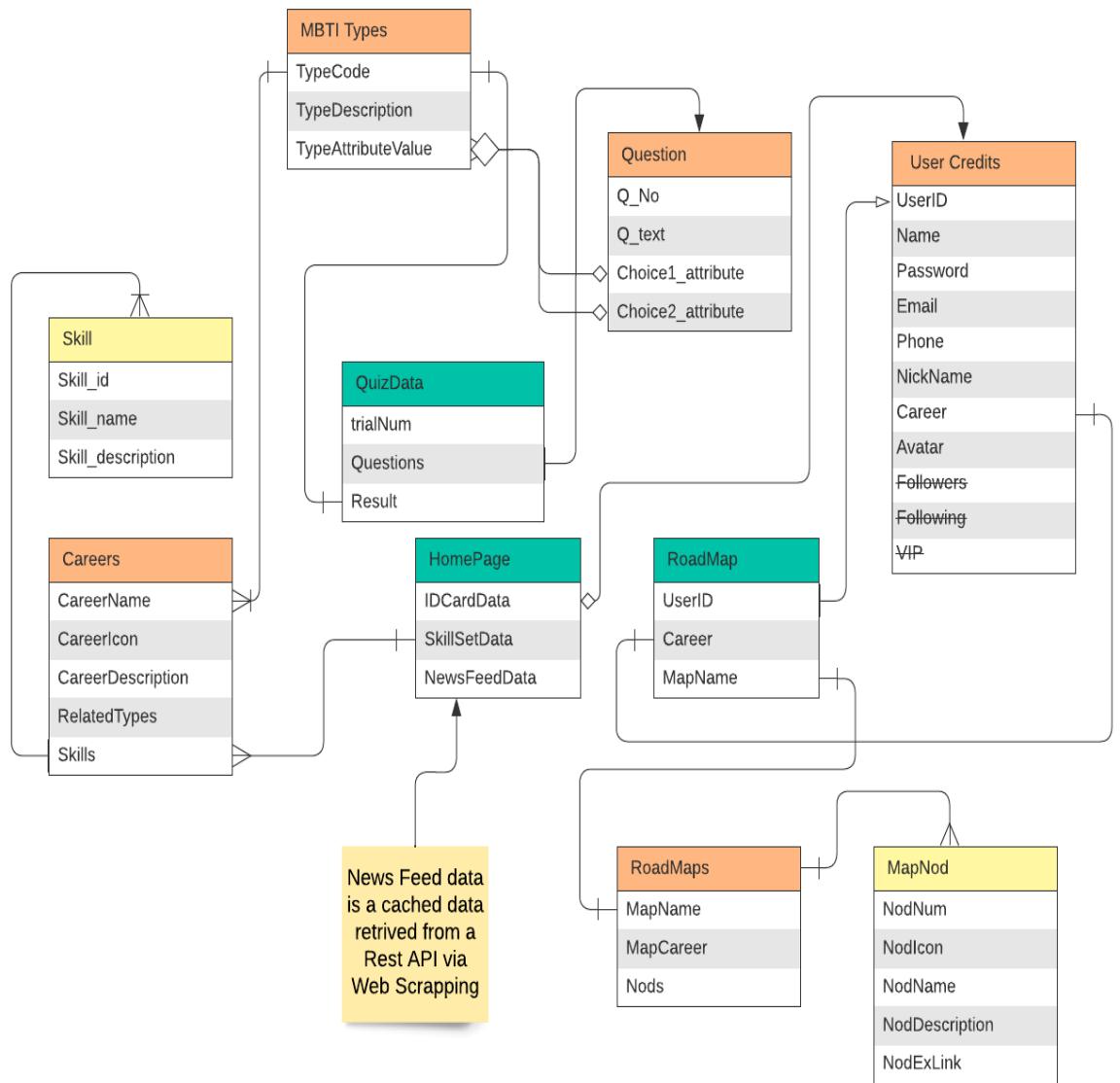
3.4.3 Homepage & RoadMap Sequence Diagram :

Like in the previous activity diagram of the same module, this sequence diagram as well might be further enhanced and detailed in future work.



3.5 ERD Diagram

Using a UML notated ERD diagram, this section is ought to illustrates how “entities” such as user, quiz, roadmap...etc, relate to each other withing the system through their data transaction with the different databases; The upcoming diagram doesn’t fully inherit or apply a specific notational system (though it’s mainly the UML system) because it represent an early visualization of the former mentioned elements... A more detailed ERD model and Data Dictionary is a part of the projects future work as well .



<< Fig 3.8 >>

CHAPTER 4: Implementation & Testing

4.1 Operation Environment

CAPI was designed and implemented as a hypered application based on the flutter frame work and the dart language, thus giving it more flexibility as per the operation environment, since the flutter frame work supports both Android & IOS and lately some web applications as well....

But duo to the Design & Implementation Constrains mentioned earlier in Chapter (1) section (2.5) ...the app was only tested on android environment so far.

4.2 User Interaction & Interfaces

This section previews the final prototype UIs and the functions implanted into them to achieve the user's perspective and carry out the previously discussed systems features and services.

4.2.1 Splash Screen

Brand Logo

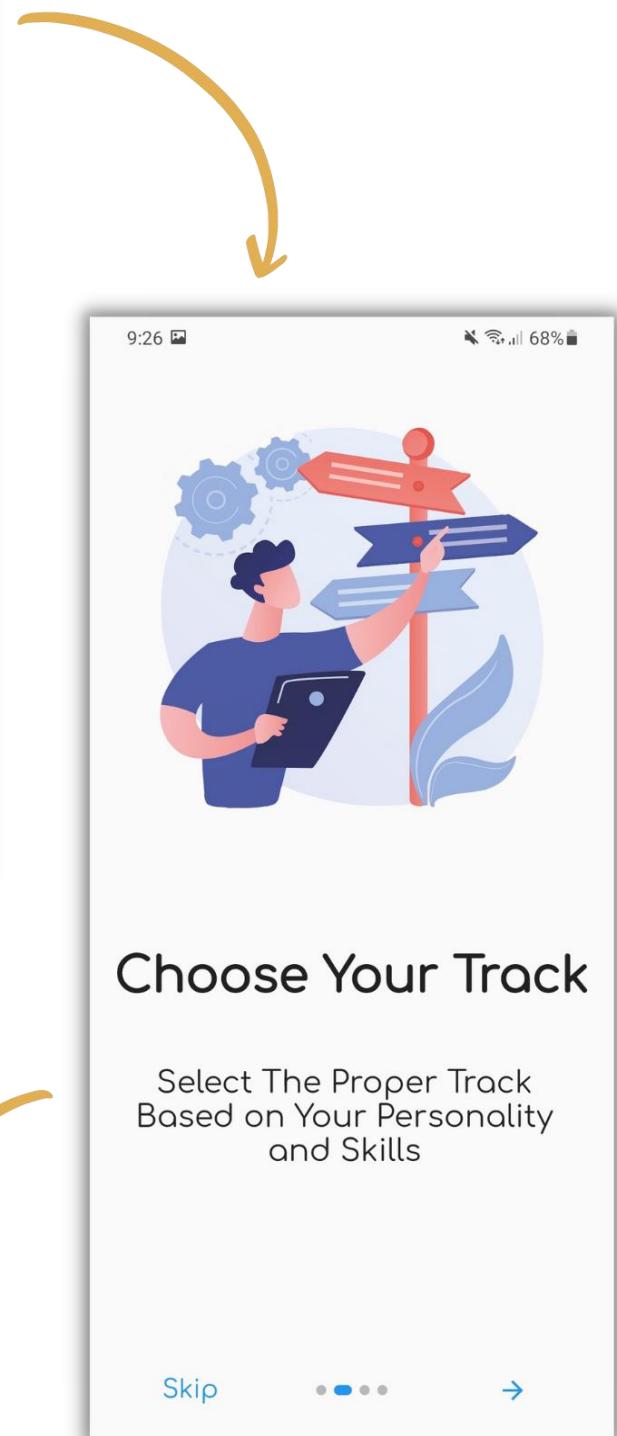
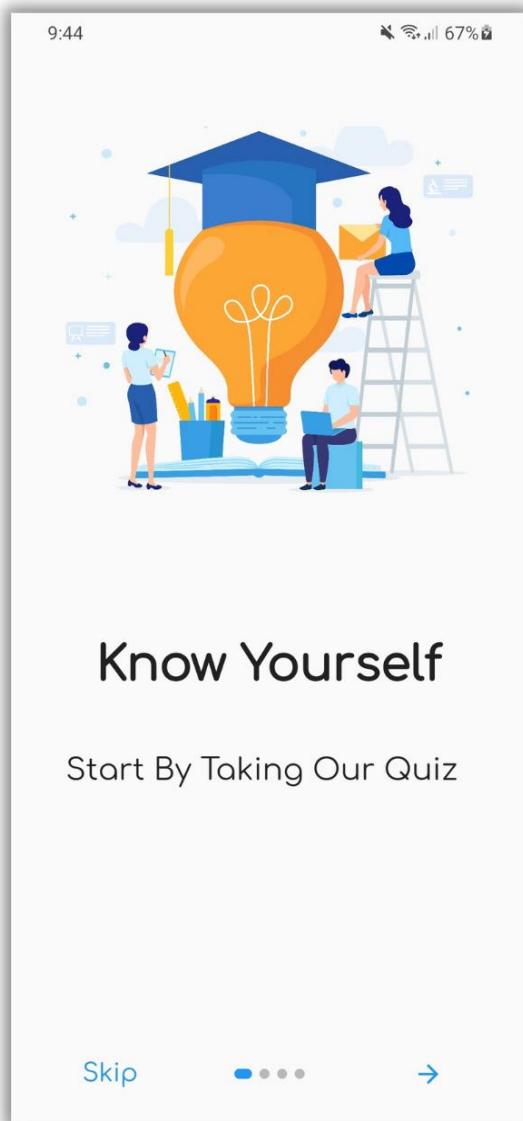
" Let the picture do the talking"
Logo is the first thing a user would see
before the name. It has to be catchy,
simple and elegant... so our team but quite
the effort in designing a neat logo cabale of
leaving a good first impresion to the user

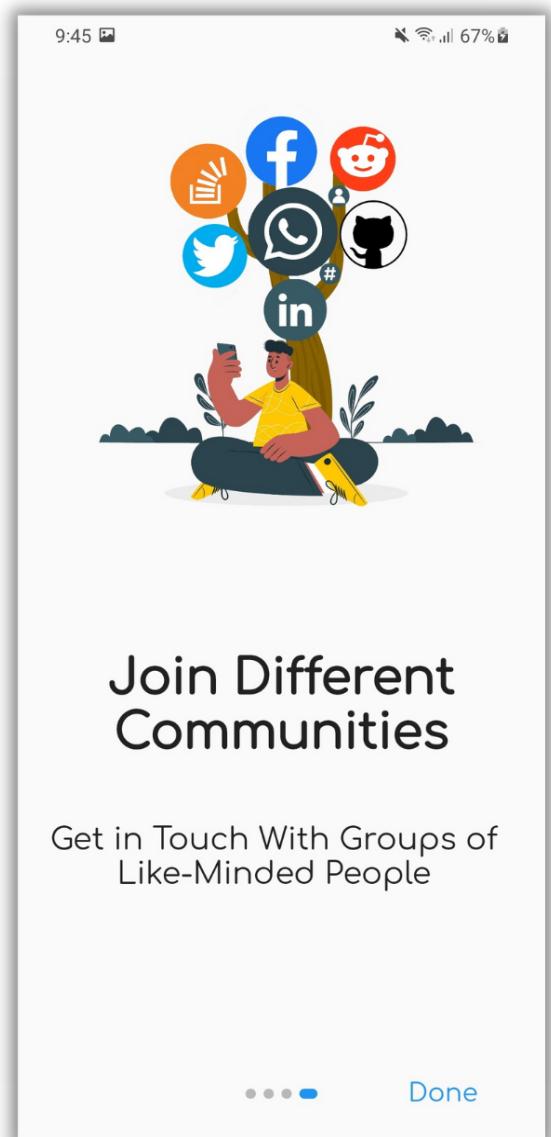
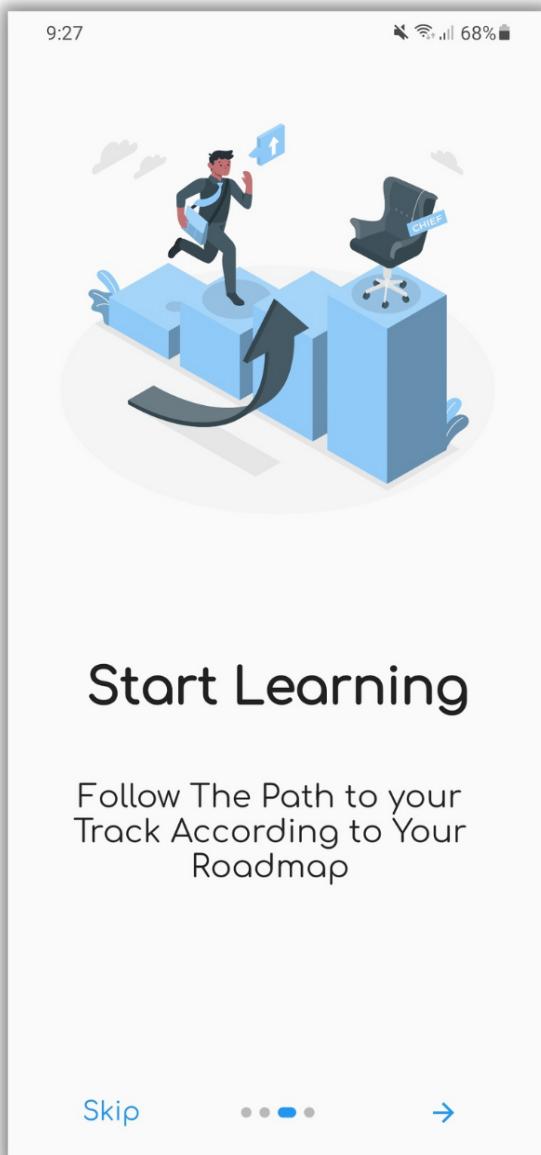


The logo consists of a blue stylized 'K' shape with a green tie icon inside the loop. Below the logo, the word "CAPI" is written in bold, blue, uppercase letters.

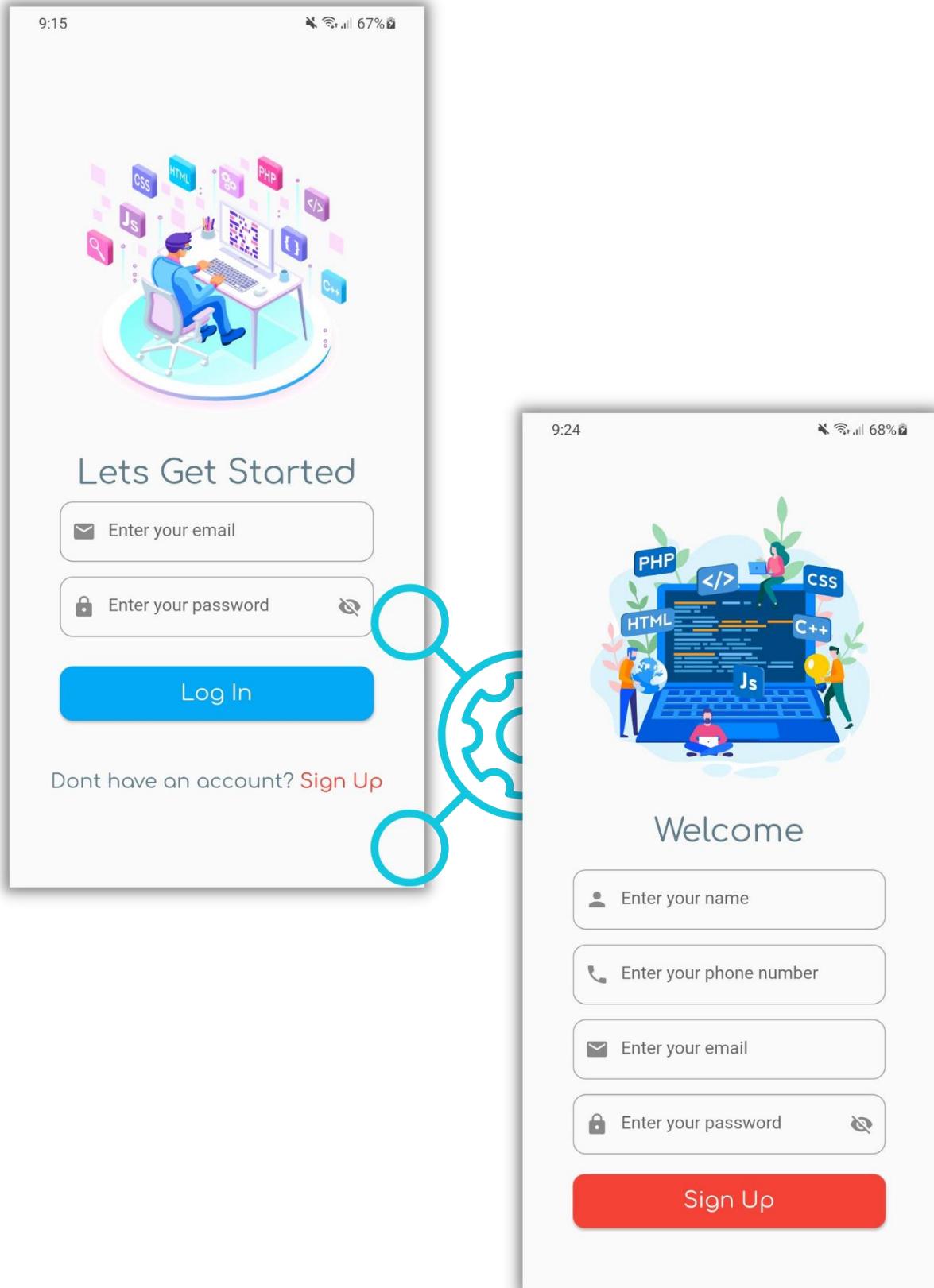
Career Aptitude Pocket Instructor

4.2.2 On Boarding Screens

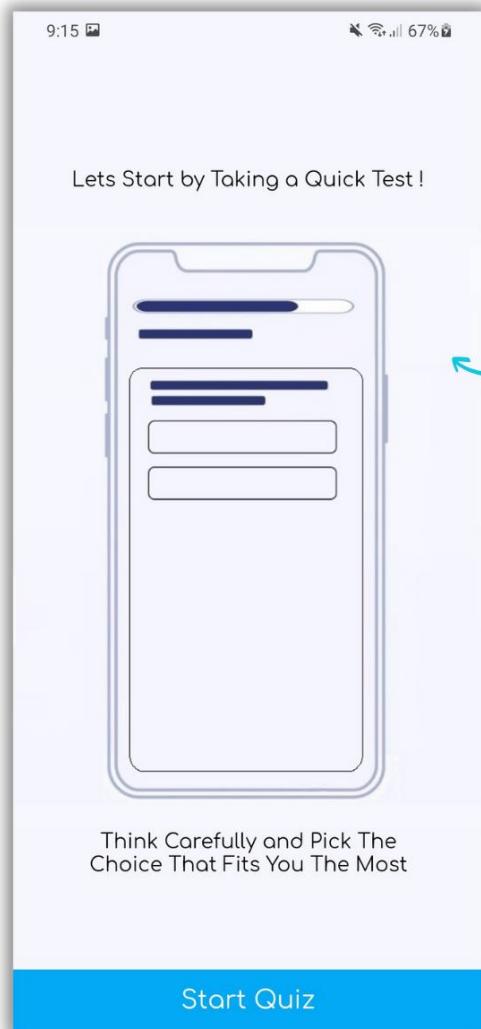




4.2.3 Login & Sign-Up Screens:

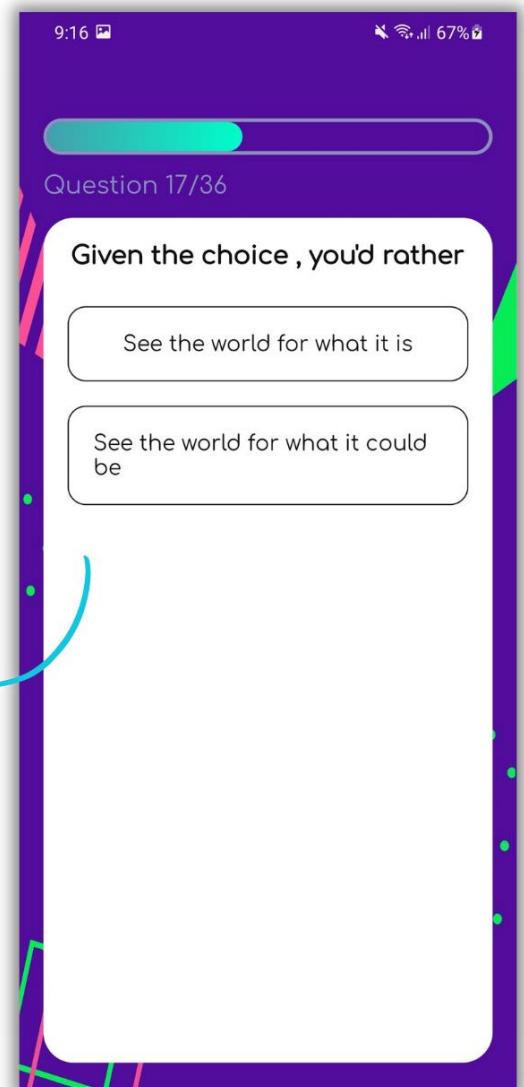


4.2.4 The Quiz Module:



preliminary Sc.

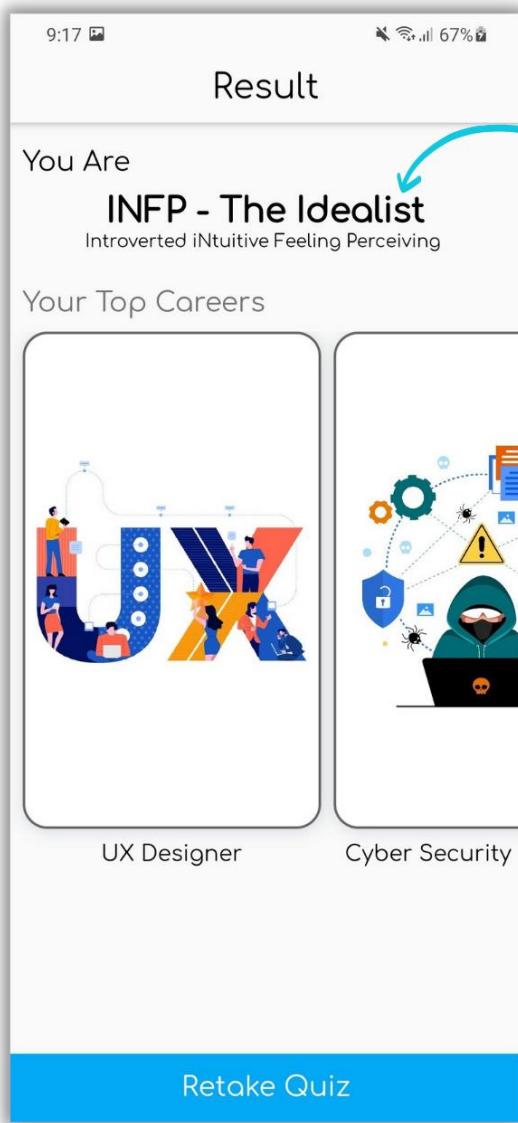
thou it's not an actual part of the quiz... this screen gives the user a preliminary impression about the nature of the quiz



Question Sample

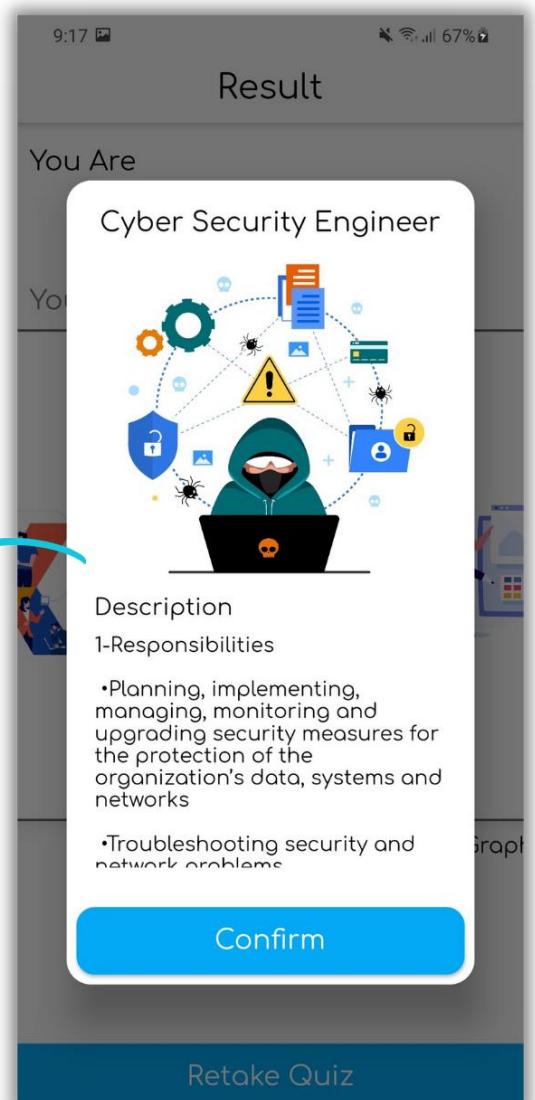
Each question gives the user two varied options, with each option having a specific persona attribute.

The total number of persona attribute points results in different personality types.



Quiz Result & Careers

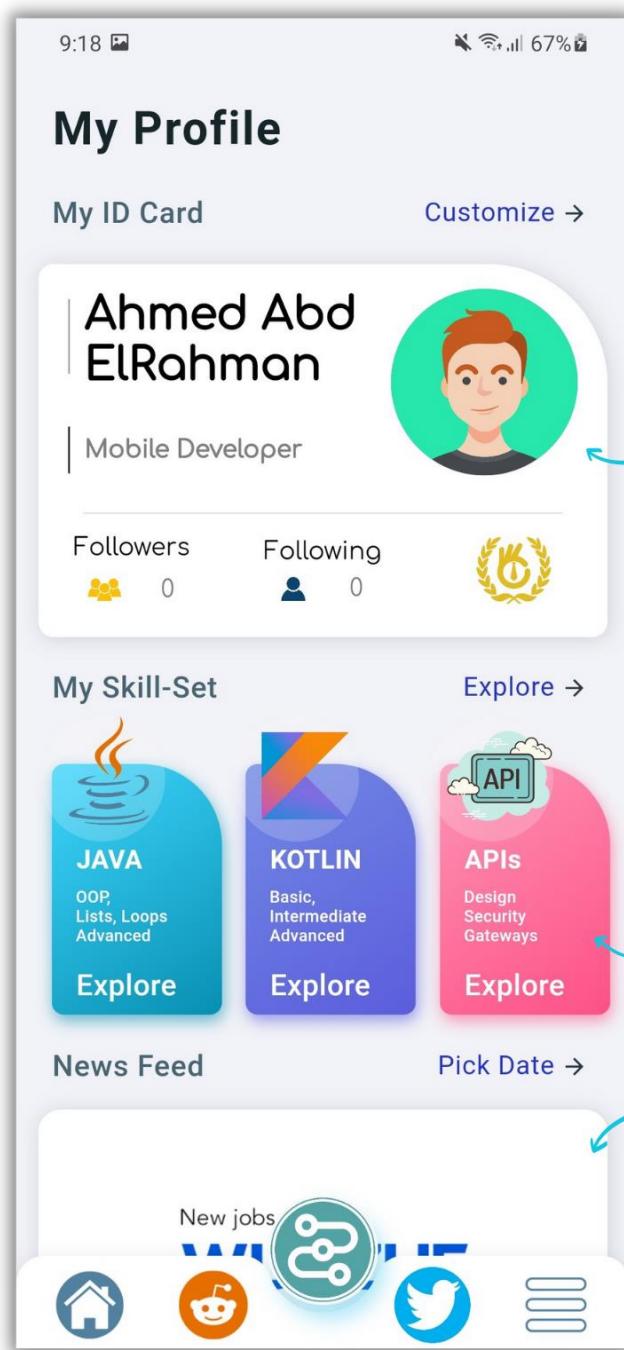
After passing the personality quiz the user gets his result as one of the MBTI personality types, each type has a set of unique careers that he can excel at with ease since the sync between his persona and these careers is naturally high.



Career Description

By clicking on any career card the user is prompted to read the career description that includes a brief background about each career: Job Responsibilities, Required Skill Set, and Average Salary

4.2.5 The Home Page:



My ID Card

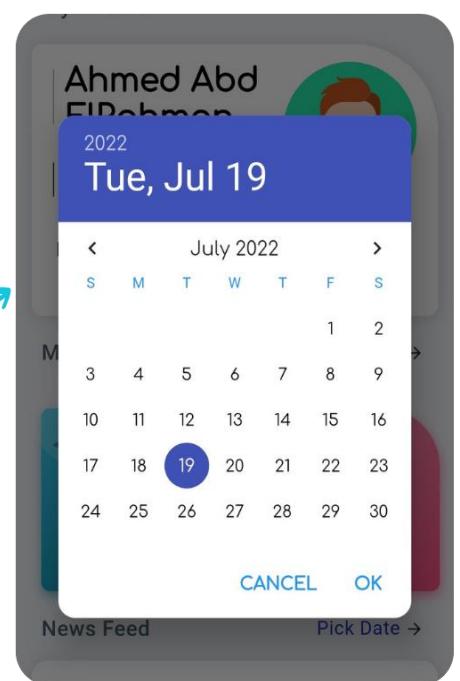
This Section contains the user's personal data, like his Name, Career, Avatar Image, Followers, Following, Subscription level... The user may edit or change some of his data from the "Customize" option

My Skill Set

This Section contains a set of professionally selected career-related skills they are considered mandatory for reaching mastery... The user may explore the full list of skills and further data about them by clicking the "Explore" option

News Feed

This Section contains a list of career related news fetched by Rest API via Web Scrapping.... The user may pick a date to preview the cached news data from that specific date.



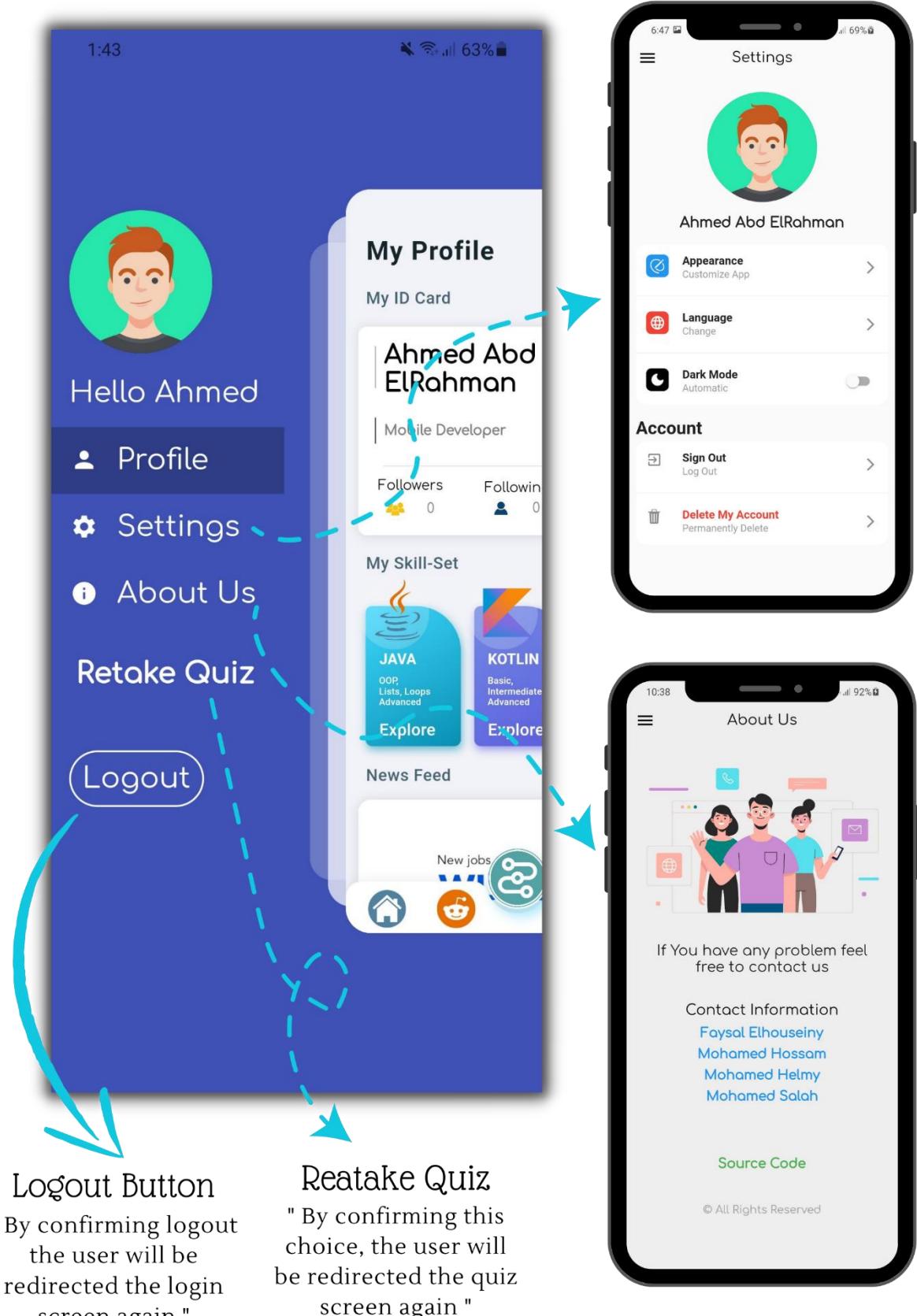
RoadMap

Sends the user to the roadmap associated with his career of choice, where he can start his journey towards mastering his craft!

Side Menu Button

"sends the user to the side menu panel to access settings and more options... discussed in the next page"

4.2.6 The Side Menu Panel:



4.2.7 RoadMap Module:



Map Nodes

By clicking any of the map nodes the user is prompted to read a more detailed description of this step and is also offered the links to an adequate number of useful resources.

The RoadMap

The roadmap is composed of a scrollable list of nodes, each node represents a major step in the roadmap, the title, and a brief description of the nodes is shown in the map body, but for a more detailed version of the node the user can click it to view the inner description and see some useful tips and links to start taking practical steps!

4.3 Test Cases:

Below are a group test cases designed to test the final prototype's functionality and units, plus some data authentications; A more comprehensive version of this table is to be presented in future versions of this documentation.

Test Case	Test case description	Test Data	Test Steps	Expected Result	Actual Result	Status
#TC001	User Login	User email & Password	<ul style="list-style-type: none"> User enter his email & password User data sent to server for verification 	1- If user's credentials are valid, send him to the next screen 2-If user's credentials are invalid, send him revoke msg.	Data authentication was successfully test on both cases	Pass
#TC002	User Sign Up	User's Name, Phone number, email and password	<ul style="list-style-type: none"> User enter his name, phone number, email and password User's new data is sent to server database for validation and saving 	1- If each field data type and quantity is valid through the Regex, the field data is accepted 2-If the user is not already registered in the database, a new instance is created and saved	First check for data regex validation still needs some work but successfully passed initial criteria Second check with search and match functions did the job	Pass
#TC003	User Logout	User profile data [ID Card]	<ul style="list-style-type: none"> User clicks either side menu or settings User click and confirm logout 	1- User's new customized preferences are updated at the data base	The user successfully logs out but profile data is not modified since it's a showcase data only	Pass
#TC004	Quiz data query	Quiz question	<ul style="list-style-type: none"> User clicks "start quiz" User is sent to the quiz screen stating at question No.1 	<ul style="list-style-type: none"> On clicking the "start quiz" button a data query for the quiz content is sent to the server DB On the next screen the questions are retrieved in the right order with their answers 	Currently the question and their answers are saved locally	On Hold
#TC005	Results and Answers Relativity	User Answers, User Result	<ul style="list-style-type: none"> User completes the quiz A new screen is prompted with a relative personality type 	personality type with relative persona attributes based on user answers	Currently using a showcase with different result	On Hold

#TC005	Profile preferences update to DB	User name & career	<ul style="list-style-type: none"> User choose and confirm a career User is then sent to his/her profile page 	1-the user ID Card section should contain his name and career of choice 2-the user Skill-Set section should contain his career related skills 3-the News Feed section should contain news related to the user career	Currently using a showcase with a pre-selected career and data preferences	On Hold
#TC006	Social Buttons Action	Social buttons links	<ul style="list-style-type: none"> User clicks either of the social buttons A web browser selection panel is prompted to the user 	1-The social button opens a webpage related to the actual button notation 2-The mobile browser successfully opens the related webpage	The buttons successfully open the browser choice panel The related webpage successfully opens	Pass
#TC007	RoadMap Button Action	User roadmap from user credentials data	<ul style="list-style-type: none"> User clicks the road map button User is sent to his career's roadmap screen 	1-A roadmap related the user's career of choice should show up	Currently using a showcase roadmap related to the user career	Pass
#TC008	RoadMap Nodes Action	Roadmap nodes data	<ul style="list-style-type: none"> User clicks any of the road map nodes 	1-A panel with detailed data and links about the node topic is prompted to the user	The nodes successfully open the description panel on click	Pass
#TC009	Menu Button Action	Menu elements	<ul style="list-style-type: none"> User clicks the menu button from the bottom navigation bar 	1-the side-menu shows up with profile, settings, about, retake quiz and logout options	The side menu successfully open and show the previously listed elements	Pass
#TC010	Settings Selection behaviour	Settings elements	<ul style="list-style-type: none"> User clicks "settings" from the menu options 	1-user is sent to settings page	The settings page opens successfully	Pass
#TC011	About us Selection behaviour	Devs Data	<ul style="list-style-type: none"> User clicks "About Us" from the menu options 	1-user is sent to the about page	The settings page opens successfully	Pass
#TC012	Retake Quiz Selection behaviour	N/A	<ul style="list-style-type: none"> User clicks "Retake Quiz" from the menu options 	1-after confirming user is sent to the quiz page	User trans to the quiz page successfully	Pass
#TC013	Home Button Action	N/A	<ul style="list-style-type: none"> User clicks "Home" from the navigation bar 	1-user is sent back to homepage	Successfully returned to homepage	Pass

CHAPTER 5: Conclusion and Future Work

5.1 Conclusion

I have personally learned a lot from working on this project, and it was a good chance to stretch my skills as team leader and a project manager, and as UI/UX designer as well. Starting from idea generation to planning how and by what mean we can manifest this solution in a fashionable and easy to use way that service the user best...

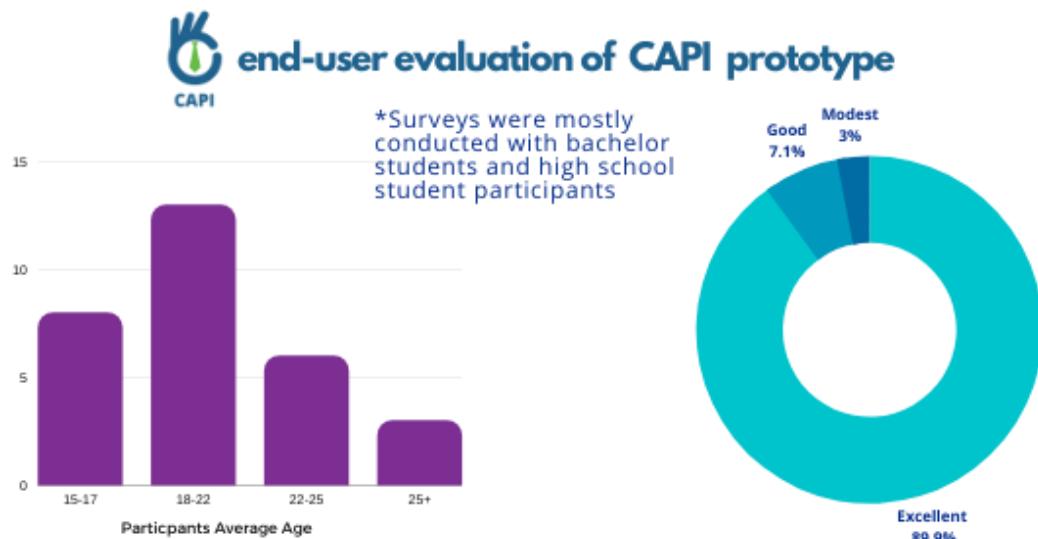
We as a team had to through many processes and challenges like surveying and doing market research, analysing and precisely specifying the user requirements and putting all that into digital work and actual system architecture and designs.

we learned to use new technologies that required us to do more tedious studies besides our own college study and searching for alternatives when we stuck at some point of the development process

One of the things that made great impact on our progress is the use of Agile methodologies and techniques instead of our basic water-fall like planning and working scheme

Thought the application works on a very basic level, there are few things that need to be tidied up if the application were to be release-ready; On an over-all scale and even for a just a prototype the app achieved an excellent result on many criteria like: showing the key features, modern UI designs, Ease of use and engagement, Offline functionality, providing customization and penalization...etc

Here are some charts showing the users over-all evaluation for the app prototype:



5.2 Future work

Here are some of the most prominent features and enhancements the project's team and the early adopters surveys suggested...

5.2.1 Implementing More User Classes and UIs

As per introduction and the project's presentation, two more future users and the relative UIs are planned to be implemented by the project team on the second and third app releases, and they are:

- Tutors and Private Mentors
- Training Centres

5.2.2 Advanced Personality Traits Assessment

The current question set was prepared and adjusted to serve as a showcase and it doesn't provide any complex or realistic personality assessment, it's one of the most important modules of the system and therefore have the highest priority on the team's future plans.

5.2.3 Adding More Careers and Speciality Fields

Right now, the application serves only the IT Major bachelor students as the application's early adopters...

It's planned that the app will extend its database and client segments to cover more specialties as per the second and the third releases

5.2.4 Adding Progress Monitoring Feature

One of the features that were recommended by many users on our surveys is to be able to track their own progress and see the magic happen, this feature can also be useful for evaluating the app users' mastery level and suggesting skilled individuals to our partners for job opportunities and training after reaching a certain threshold.

5.2.5 Adding Users Chat and Social Bonding

Social activities between the users are one of the project's valuable goals, therefore a Following-Followers system and a User Chat feature are planned for the second app release... this can help raise the user's loyalty and retention rates

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APPENDICES

Appendix A: Project Proposal

Al Azhar University Faculty of Engineering Computers & Systems Department	
<h3>CSE Project Proposal</h3>	
Academic year : 2021-2022	
Project Title : Career Guide & Road Map Application	
Supervisor : Prof. Ali Halawa	
Number of Students : 4	
Required Skills : <ul style="list-style-type: none">• Object Oriented Programming• UI / UX Design• Basic Database & Data Analysis	
Problem Statement : <p>Career confusion is a very scary problem, because the labour market requirements assume that you already know what you are doing, and ready to compete against others talented peers for the position.</p> <p>Statistically more than 80% students are not!With Over 50 available specialties decision making can be very hard to land... Even after landing a specialty choosing the right approach and resources is a time-consuming and tricky task, and here is where our solution comes!</p>	
Objectives: <ol style="list-style-type: none">1) Raising individual self-awareness by revealing personality traits , strengths and weakness and suggesting the right complementary soft skill set to, this objective is achieved by a 3rd party MBTI analysis .2) Suggesting the most relevant specialties based on the user data and personality test, and providing adequate knowledge about each career path requirements.3) Guiding the user through a specified road map to master the career of his choice, providing expert recommended resources and engaging communities.	
Technical Approaches : <ul style="list-style-type: none">• Research and Data Analysis• UI / UX Design• Back-End Programming• Database Integration	
Deliverables: <p>A cross-platform mobile application with an easy graphical user interface and smooth user experience to serve the project goals.</p>	

Appendix B: Project Presentation

The slide features a blue header bar at the top with the title "C.A.P.I" in large white letters and "Carrer Aptitude Pocket Instructor" in smaller white letters below it. To the right of the text is a graphic of a hand holding a smartphone. The phone screen displays the CAPI logo, which consists of a blue hand-like icon with a green tie, and the text "CAPI" and "Career Aptitude Pocket Instructor". Below the phone is a circular graphic containing three stylized orange hands. The main body of the slide has a blue background with a faint circular watermark. On the left side, there is an illustration of three people (two men and one woman) working together with a laptop, a tablet, and a chart. On the right side, the word "Problems" is written in large white letters.

C.A.P.I

Carrer Aptitude Pocket Instructor

Mobile-Based Comprehensive Career Development Tool To Help You Pick The Right Place For You, Follow a Professional Road Map, Get Support From Specialized Communities And Track Your Progress Anywhere!



Problems



Copycat Decisions

College Students Tend To Take a Course As Their Career Objective Simply Because They Know Someone else Who is Doing it.

Career Confusion

With Over 30 Different Specialities Available in The IT Field Alone, Decision-Making Can Be Quite A Tricky Mission...

Flawed Planning*

Even After Landing a Specialty, Choosing The Right Approach And Resources To Move Up The Occupational Ladder Is a Complex and Time-Consuming Process....



Solutions

Professional Assessment

Raising Individual Self-Awareness By Revealing Personality Traits, Strengths, and Weaknesses. Forming A "Profile" Of User's Personality Type And Relevant Interests.

Career Aptitude

Suggesting The Most Fitting Specialties Based On The User Profile And Aptitude Quiz; Providing Adequate Knowledge About Each Career-Path Requirements.

RoadMap & Community

A Step-by-Step Road Map To Master Your Career Path, Providing Expert's Recommended Resources And Engaging Social Communities.



Target Market

Students

81% of undergraduates are part-time employed and already seeking a more decent job, CAPI can be a paradigm shift towards their goal !

- *Digest of Education Statistics 2019*



Fresh Graduates

Confused about choosing a specialty among many career paths available, fresh-graduates are the early adopters of CAPI project .

Career Shifters

Pursuing a better match or higher status, 46% of Millennials (25-40) aged plan to move to a new job in the next 12 months.

- 9 Nov 2021 *GoodHire*

Market Size Evaluation

Statistics about the Obtainable, Available, and Total Market Sizes

Provided by Statista.com, Capmas.gov.eg, and Wher.wes.com

4.8 M

Total Available
Market (TAM)

2.5 M

Undergraduate &
High-School Students
(SAM)

25 K

IT Major Students
(SOM)





Mobility

No more desks and a lot of papers to track your progress, it's all in your pocket now!



Language Support

The language barrier is no more a problem, browse everything in your mother language with ease.



RoadMaps

Top performer's road maps to master your ultimate skill step by step.

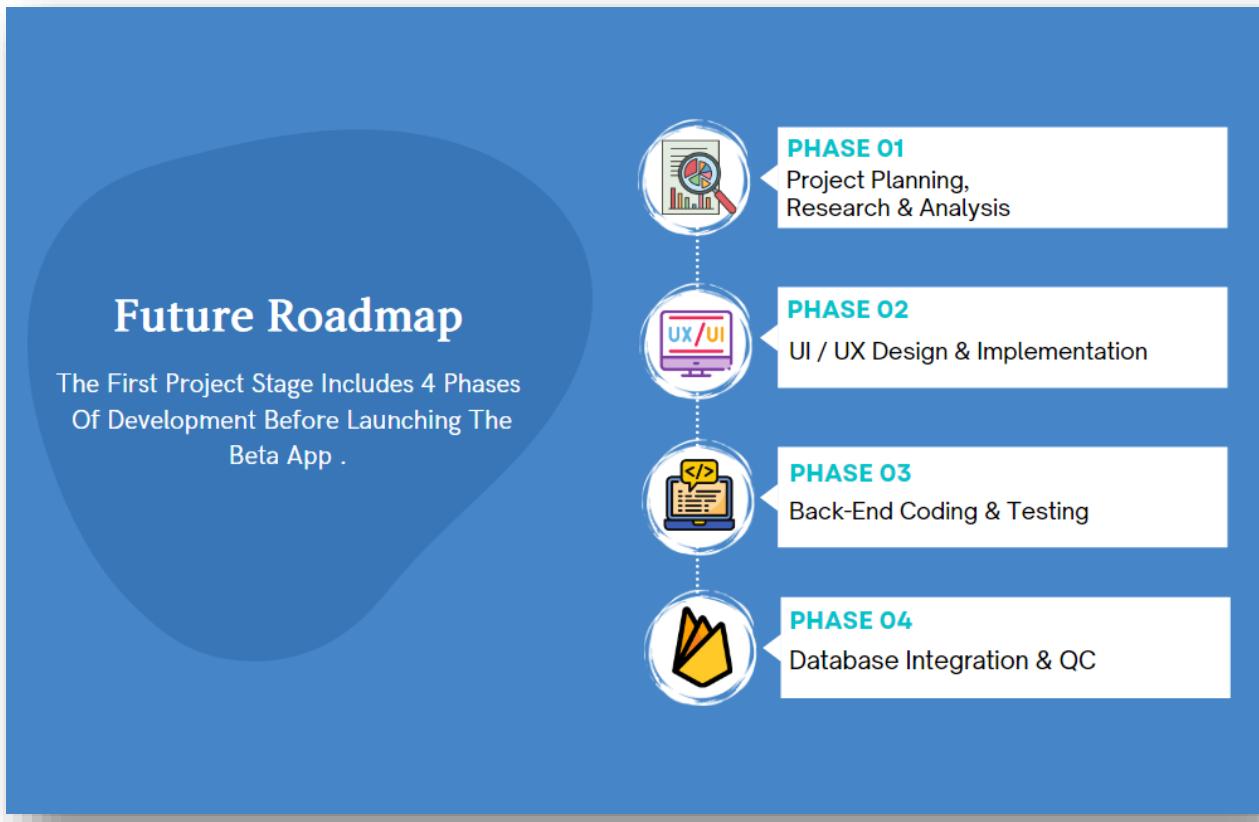
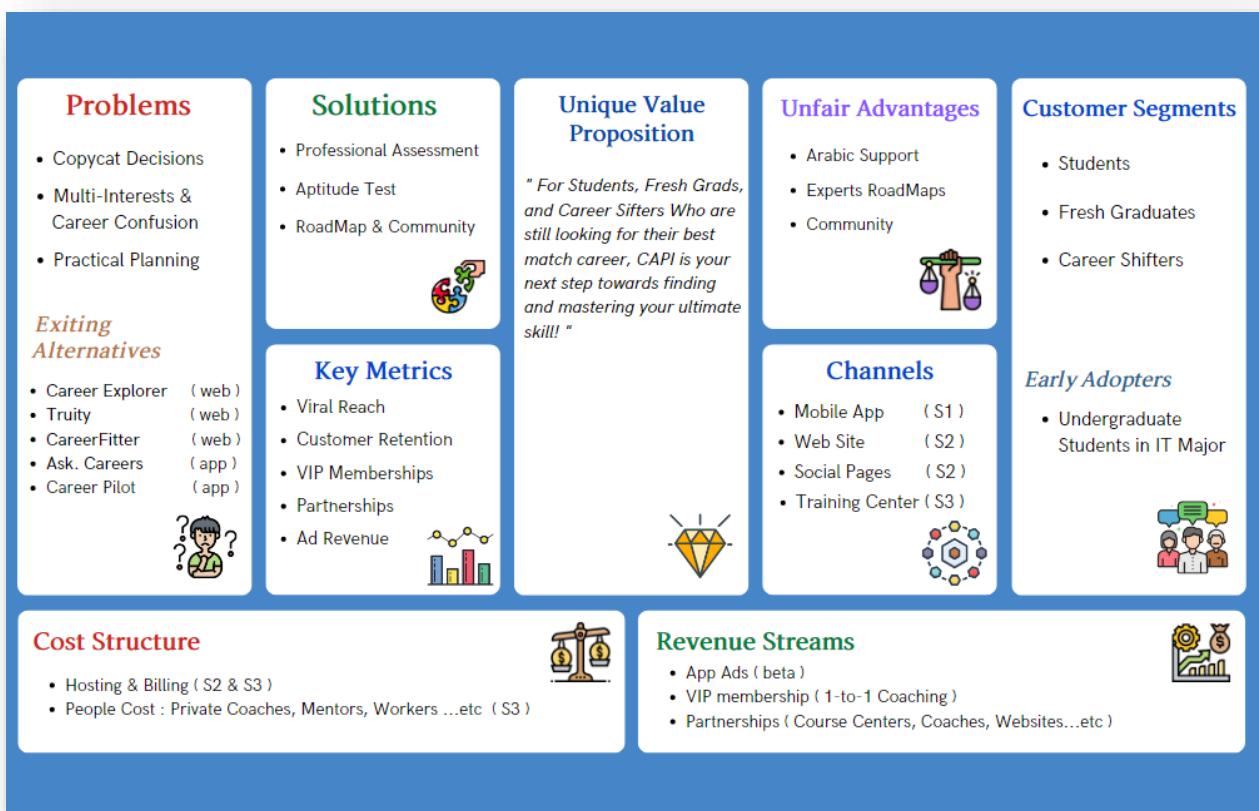


Community

Connect to people with the same interests and share your experience!



Project Lean Canvas



The Team



Mohamed Salah
UI-UX Designer & Team Leader



Faisal El Husseiny
Lead Flutter Developer



Mohamed Helmy
Assistant Flutter Developer



Mohamed Hosam
Assistant Flutter Developer

20 February 2022



Career Aptitude Pocket Instructor

THANK YOU
FOR YOUR ATTENTION