Faculty of Computers &

Artificial Intelligence

Benha University

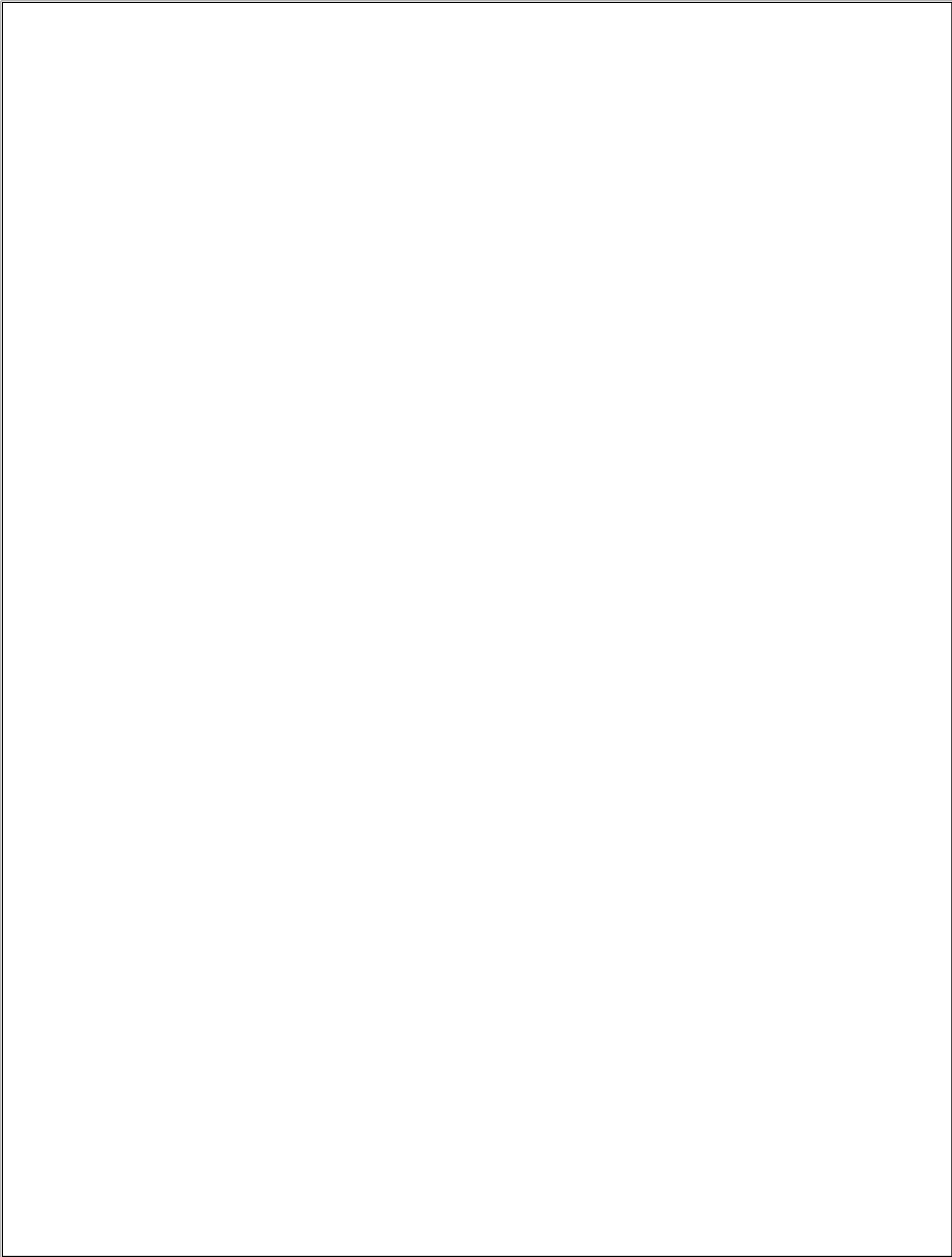# CHATAPP

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Problem Definition

In the first when we build the program and have the idea, we said to ourselves that we want to build ChatApp like WhatsApp because we like it too much it's an effective program and helpful for many users in the world. Start search in that project and get little idea of components of it then we direct work. If you want to build program like that then you must get a strong Back-end knowledge to build database and connect your project to it and you want cloud messaging and consider of the few time that we can't done all those things we decided to use Firebase that introduced by Google. Way may have a lot of problems such as the mean difference between versions of the Gradle because if you search you will find the different implementation for the same thing and could be this method that you do it become legacy then you must search for another one compatible with your version.

Introduction

Our project simply a chat application, the main purpose of it is to connects people with each other. It consists of 3 fragments and 4 screens, starting with 'welcome screen' which is a friendly interface at the beginning of the application to ask user if he want to login or register. Depend on the choice of user if he chooses to login, it will transfer to login screen to write email and password of his email, if he chooses to register will be in registration screen to sign-up. After the user login or register the next move is to main screen that have 3 fragments, starting with 'Chat screen' and this screen to show the user the chats he has and new messages that he has. Second is 'Search screen', this screen to search for any user you want to contact. Third is 'profile screen' that's the user's profile.

System Features

In our project, some features can help the user while using the application,

we will illustrate them as follows...

✓ **Welcome Page**

- Welcome Page to ask you if you want to log into the App or you a new user and just want to Registration.

✓ **Login Page**

- In Login page you can just login by enter your email and password you created when you register at first time and press the **LOGIN** Button.
- And if you forgot your password, you could press in **Forgot Password** Button.
- And if you don't have account just press SIGN_UP button and we redirecting to registration page.

✓ **Registration Page**

- You can create account by enter information about you like as USER_NAME, EMAIL, PASSWORD, and press REGISTER button.
- If you already have account just press the LOGIN button and redirecting to LOGIN page.

✓ **Main Page**

- Here your main page that you can use the App.

- Appear 3 taps, CHATS, SEARCH and SETTINGS

- All chats that you contact with will appear for you.

- And appear in all chats the name of the sender and last message.

✓ **Chat**

- If you want to get on the chat, then you need just to click on the chat you want.

- Get on the chat and have a good conversation.

- You can send text or files.

- And all messages are sent will appear in the chat.

- If the message sent to the receiver and he see the message, appear under the message that is **SENT.**

✓ **Delete Message**

- If you want to delete certain message, then press on it.

- You will appear for you two options ask you if you want delete message or cancel it.

- If press in DELETE MESSAGE ➔the message will disappear in the conversation.

- If you press cancel, ➔we don't take any action

✓ **Search Tab**

- This tab allows you to search for users that they have the App.

- If you click on user, box will appear to you ask if you want to send message or view profile.

- If you press in SEND MESSAGE →will redirect to conversation between us.

- If you press in VISIT PROFILE → will redirect to see her profile.

✓ **Settings Tab**

- If you press on settings tab, you have here so many features.

- If you visit the user profile will appear to picture account and background picture.

- Change your Profile and cover image.

- If press to picture profile,→ask you to change and open your files and picture.

- Add your social media account.

✓ **Sign-out**

- If you want to sign out from your account, you have the menu tab in the to right of page.

- You just press on it, appear SIGN OUT button press on it and have successful signing out.