UX Engineering

Milestone IV

Code & Watch

A project by B-01

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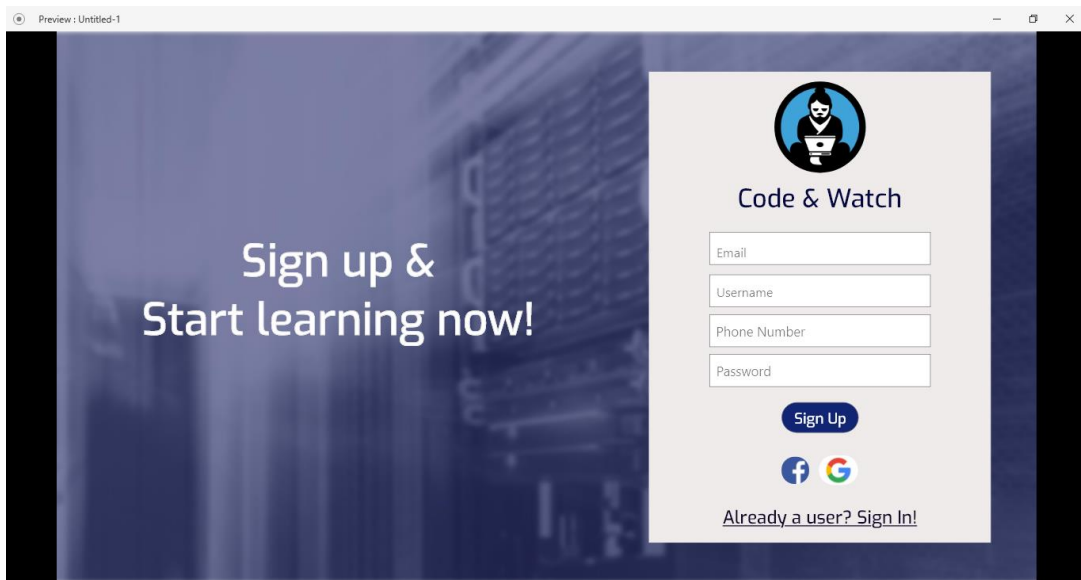Video of working Hi-fi prototype can be checked **here**

[http://bit.ly/2H72Olv]

Introduction

Computer Science has attracted thousands of students in past 2 decades and is still open for a lot of research and development. In our country, half of the students who end up in a computing field never thought of or were never aware of it during their high schools and therefore, they (despite the fact that they are high achievers) find it difficult to easily grasp the basic programming techniques and specifically data structures during their initial days and understanding of those days is plays vital role throughout their career.

Secondly, not everyone comes with the same level of intellect so there must be something to aid those who want to learn but are facing difficulties in understanding basic idea quickly or easily. We aim to empower coders (starters) by providing an additional resource through which they can visualize their code in real time because, recognize rather than recall!

I. High Fidelity Prototypes

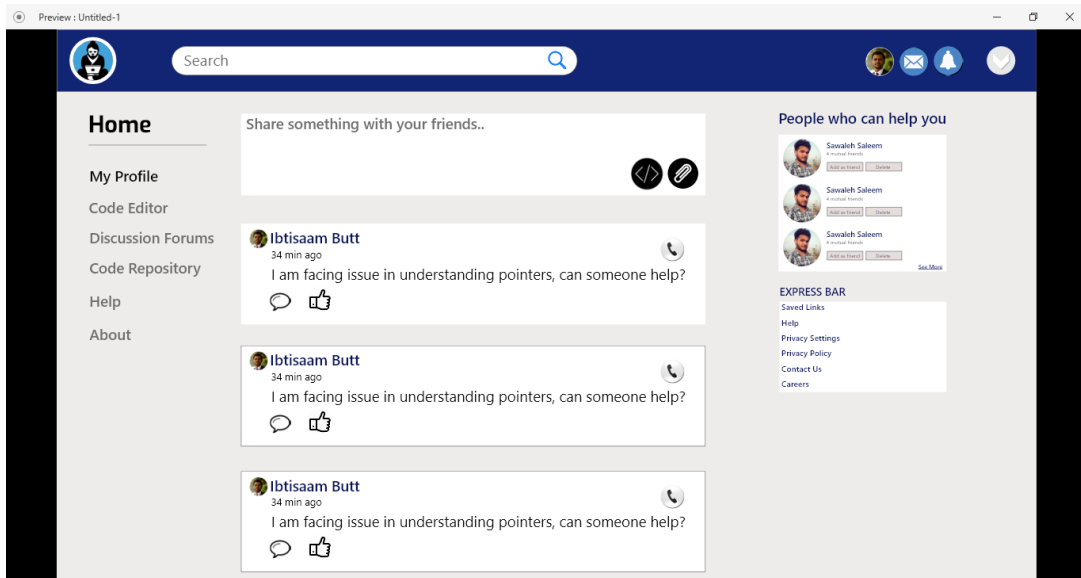*Figure 1: Sign up Screen*

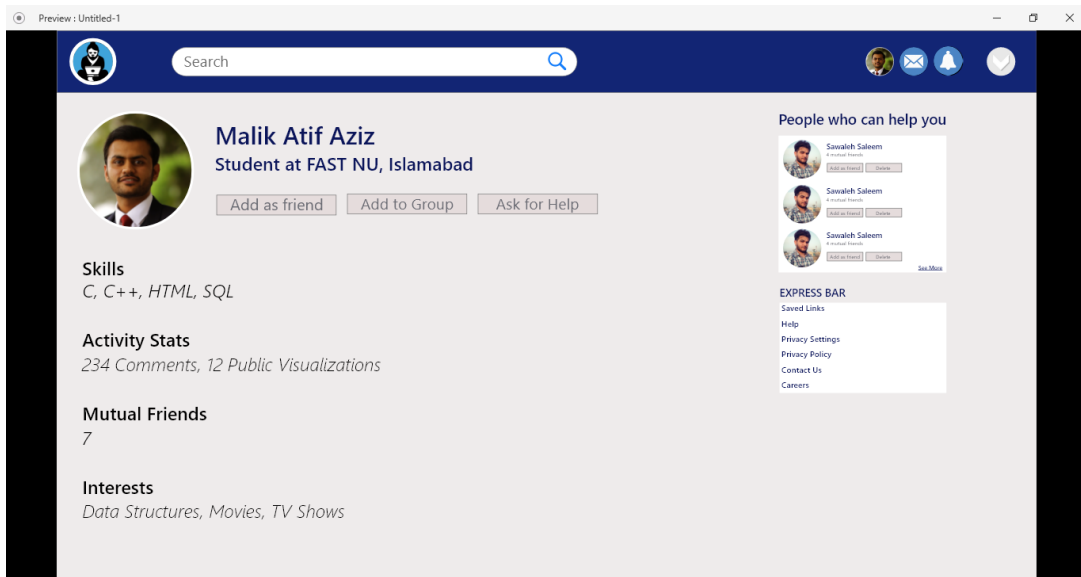*Figure 2: Sign In Screen*

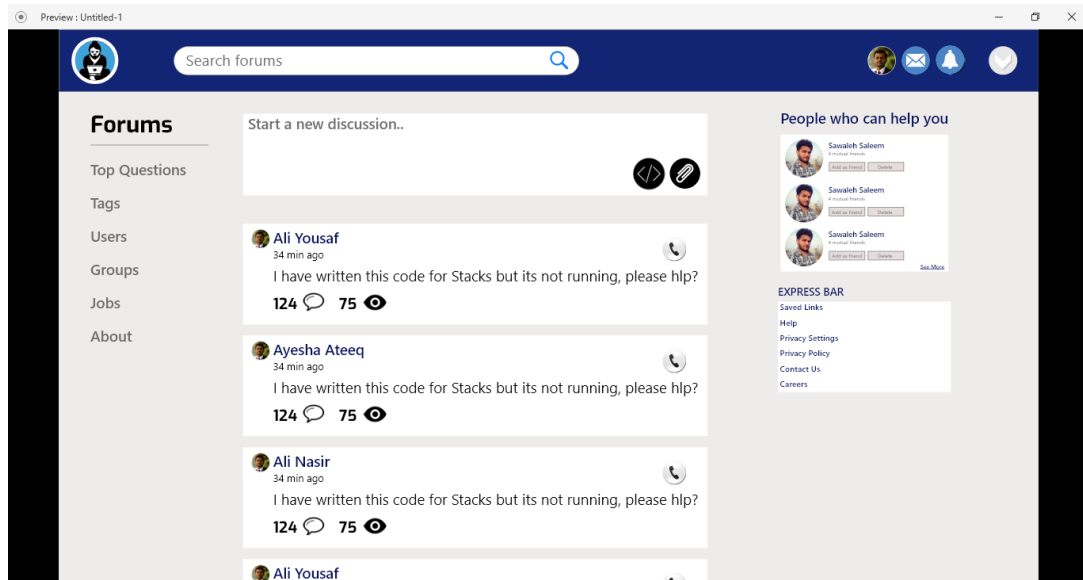*Figure 3: Homepage of our App*

Figure 4: User Profile Page
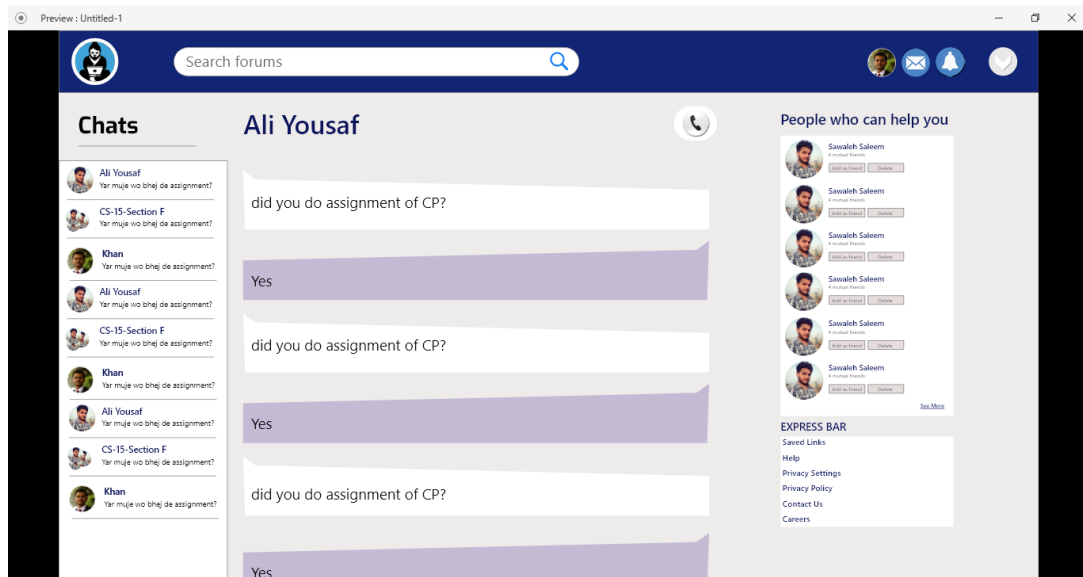
Figure 5: Discussion Forums

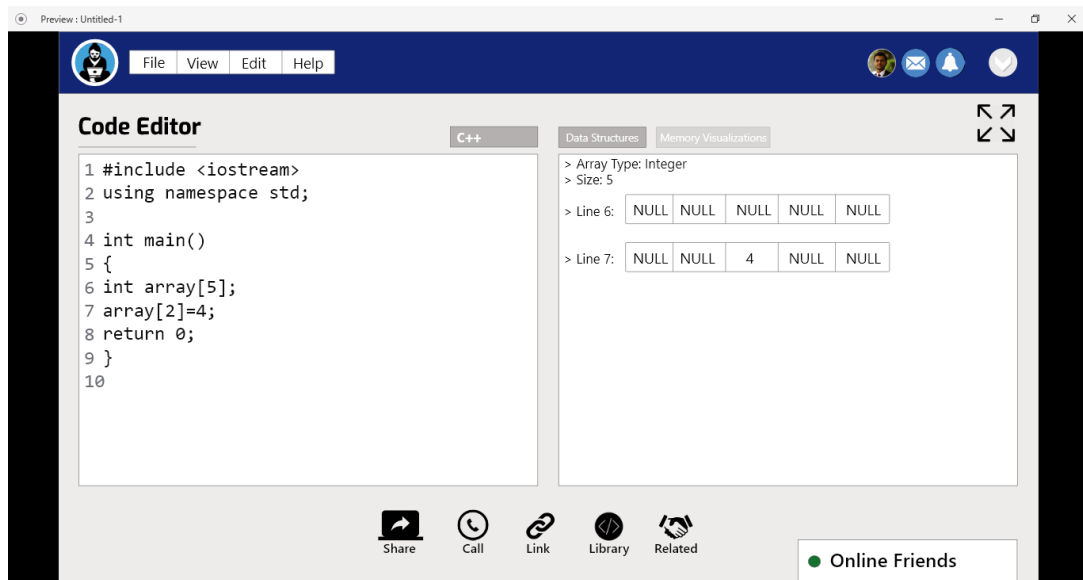*Figure 6: Messages (Group & Individual)*

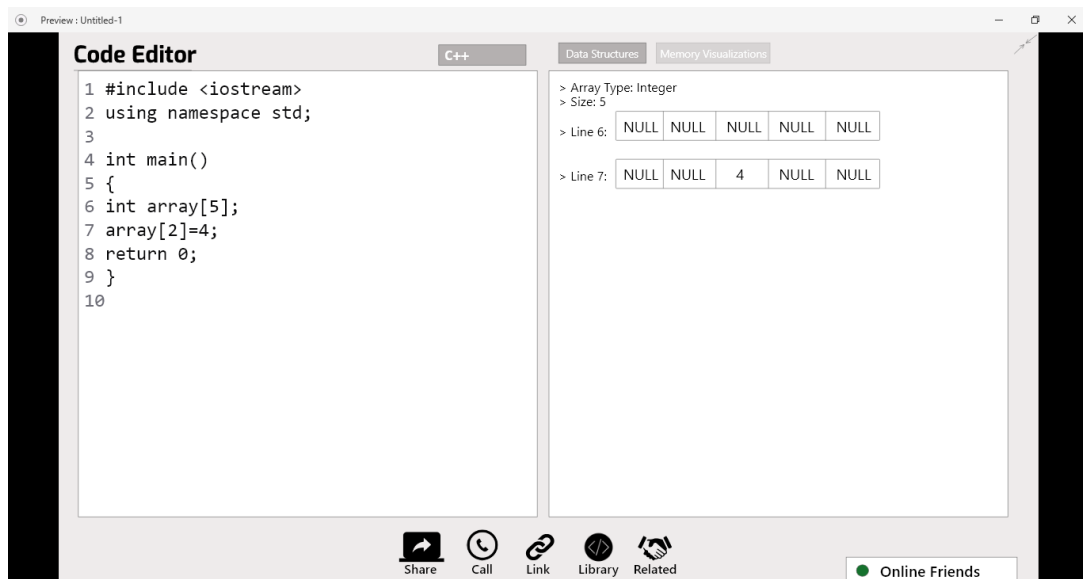*Figure 7: Code Editor (Data Structures Mode)*

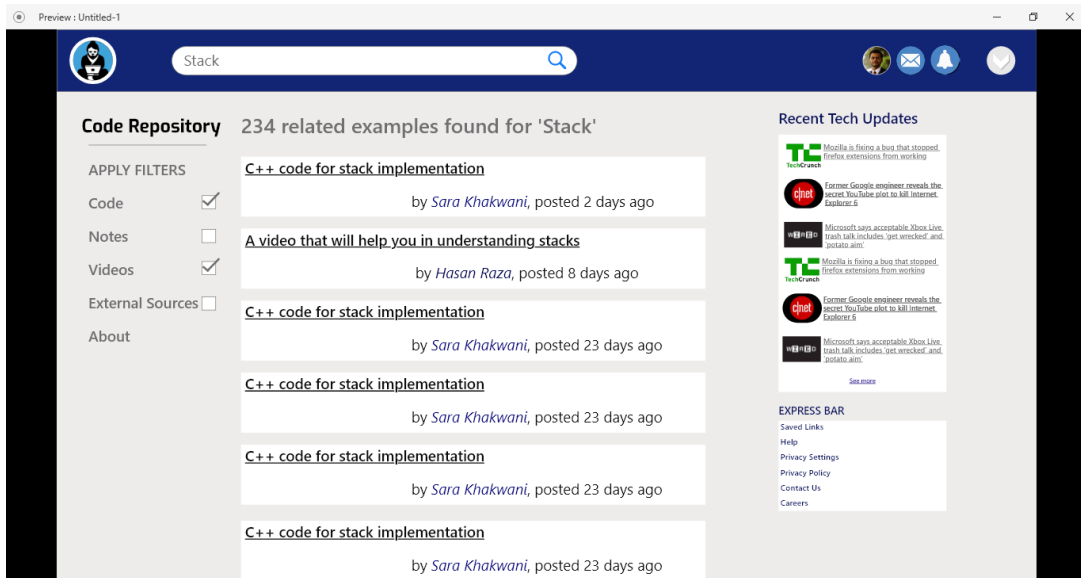*Figure 8: Code Editor (Full Screen)*
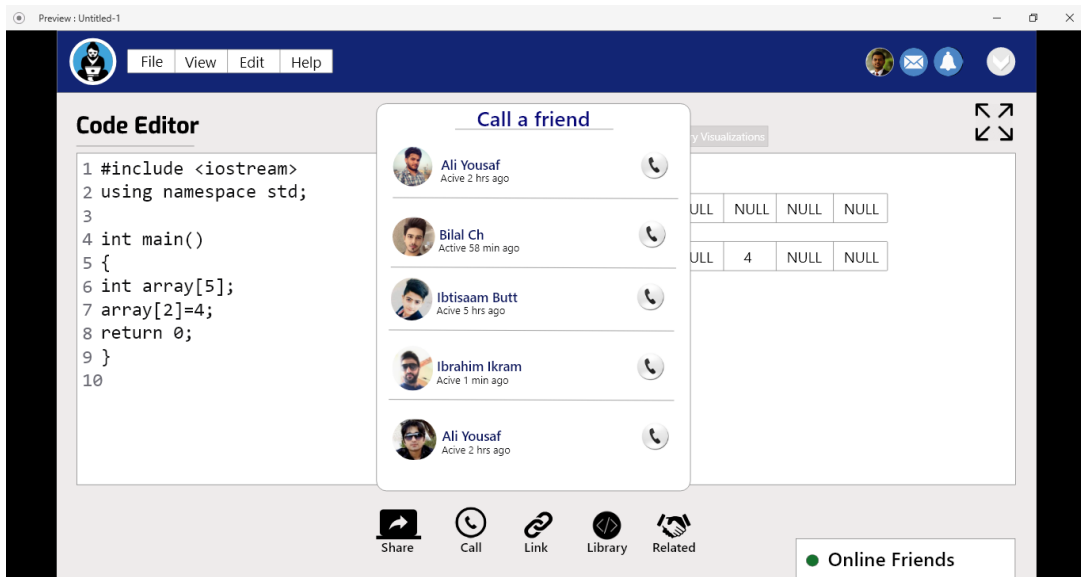
Figure 9: Code Repository

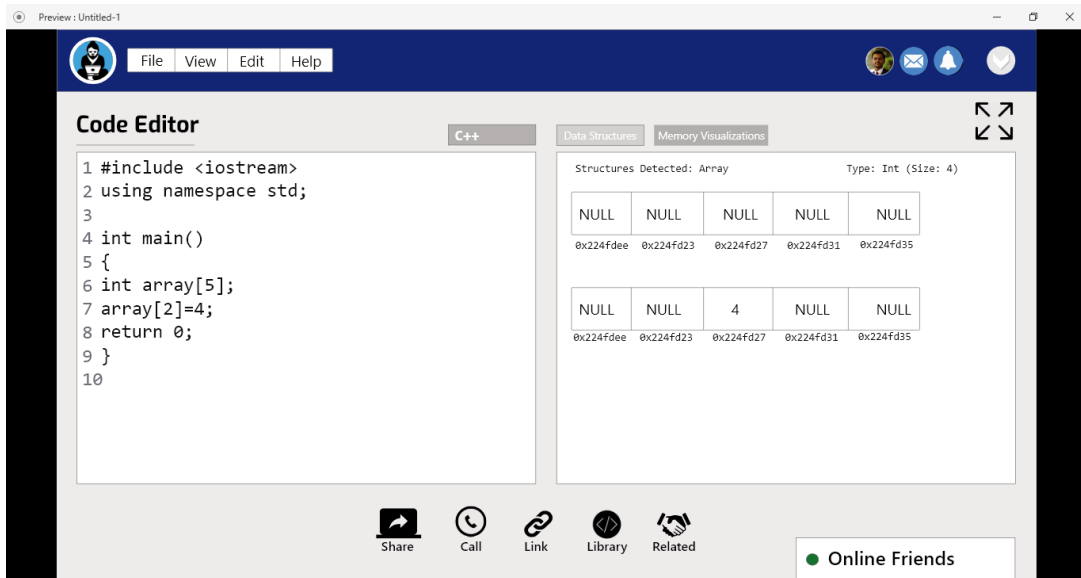*Figure 10: Call Editor (to call a friend)*

Figure 11: Code Editor (Memory Mode)
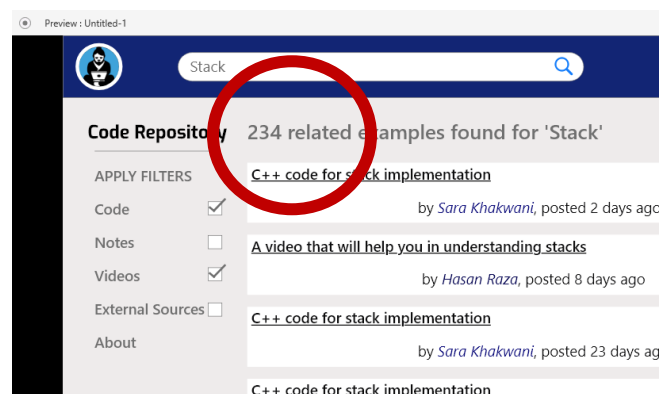

Figure 12: Call Screen

Figure 12: Call Screen (on call)
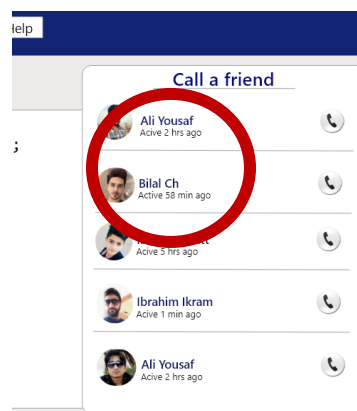
II. Heuristic Evaluation

Visibility of system status

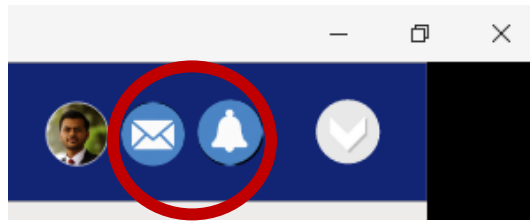*Button changes as the request is sent*

When a user searches for any keyword in Code Files

Showing last online status of added people

Match between system and the real world

Buttons depicting their use

Apart from this, all buttons are demonstrating their use which is a match between system & real world. All information being presented is in logical order. Navigation through application is simpler and very less in fact.

User control and freedom
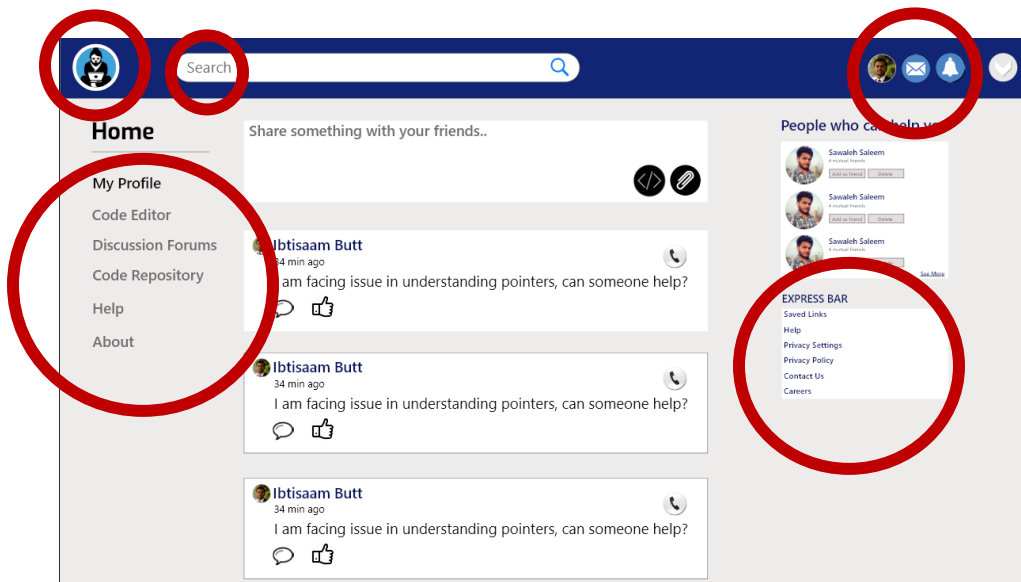
1. *Master page contains link to all pages where user wants to go*
2. *Logo on top left can take user to homepage immediately*
3. *In order to go through all pages, and user just needs to click 7/8 times as being shown in the video submitted too.*

Consistency and standards
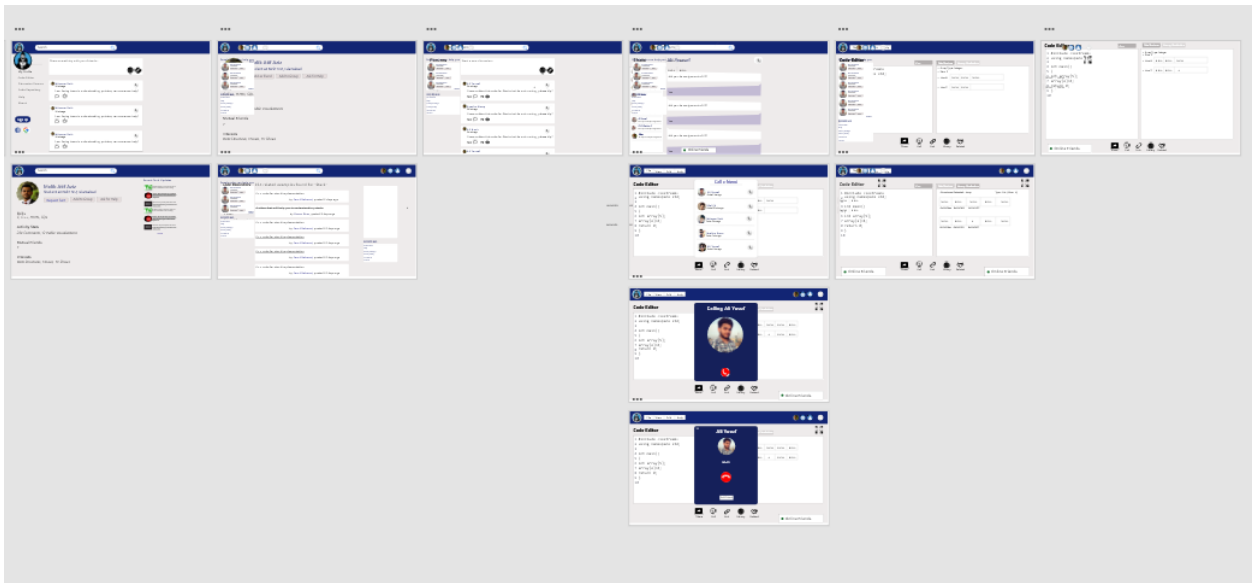
1. All pages follow consistent coloring
2. All pages are following Web Application design principles
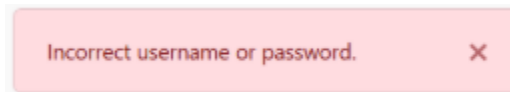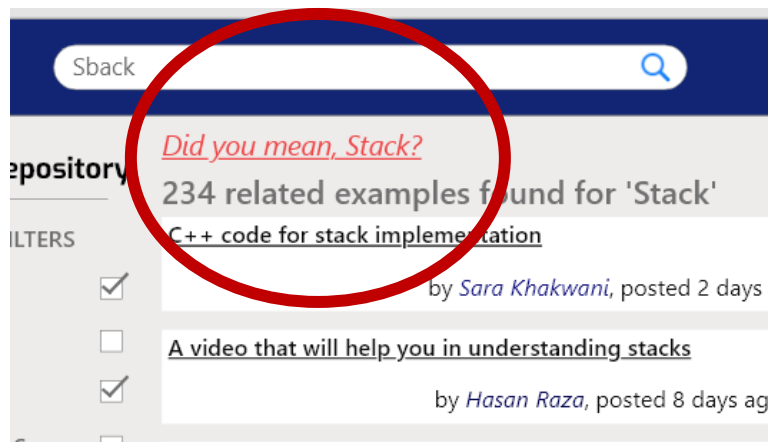3. All pages are having master page design, which means it follows the basic template of common buttons (header and left bar).
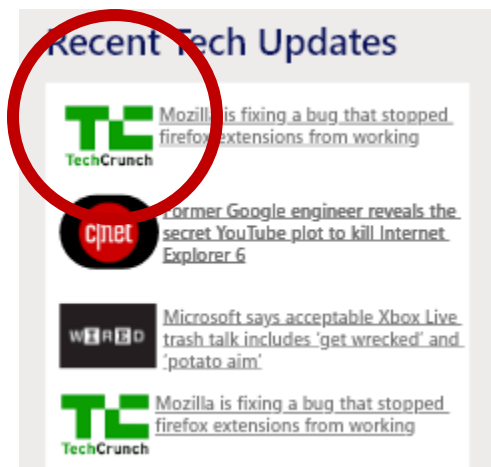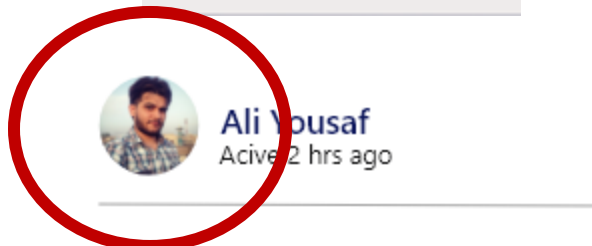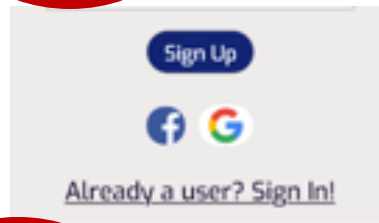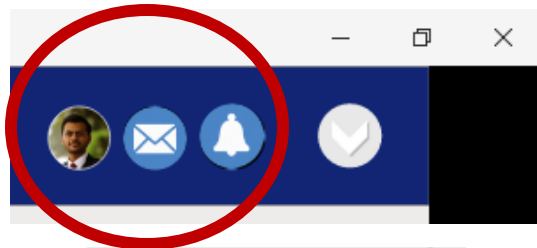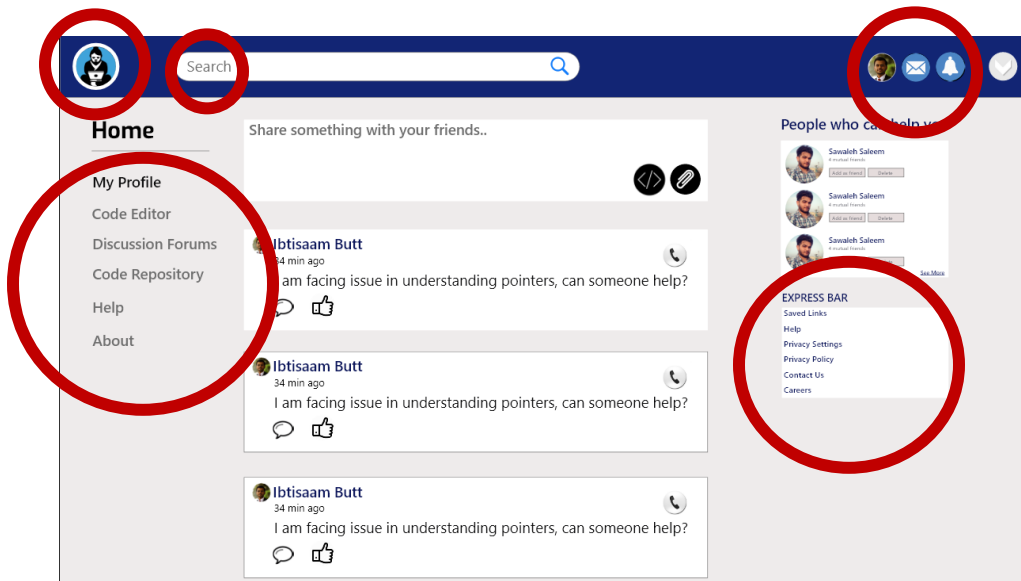
Error prevention

1. Prompting users with incorrect password
2. There is no room for error in the app as no data entry options available
3. Entire application is having selection option, not depending upon user inputting text or data

Recognition rather than recall

Sign Up

Already a user? Sign In!

Ali Yousaf
Acive 2 hrs ago

Bilal Ch
Active 58 min ago

Ibtisaam Butt
Acive 5 hrs ago

Ibrahim Ikram
Acive 1 min ago

Recent Tech Updates

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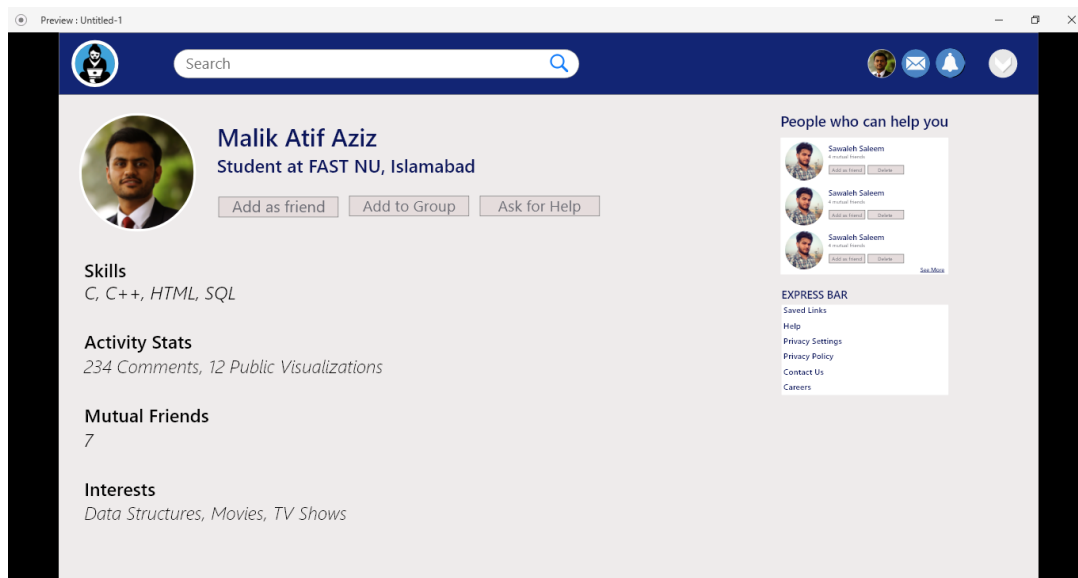
Flexibility and efficiency of use

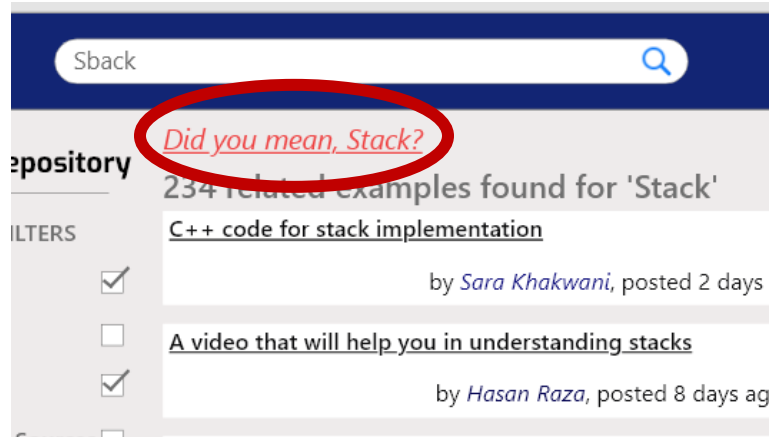*Master page contains link to all pages where user wants to go*
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Aesthetic and minimalist design

Help users recognize, diagnose and recover from errors

Help and documentation