

# **A PROJECT REPORT ON EXAMEAZE**



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## INTRODUCTION

Aim for our project was to basically create an online exam preparation application (App) which will help the users (students) to prepare for various regular or competitive exams. The main aspect that we focus on was to provide such resources and information to the users so that they can work smartly on the preparation rather than providing them a full lengthy analysis to every topic which would make the process of studying difficult during exams. Moreover **Exameaze** focuses on 'easing' the preparation process to a great extent which could really help the user during the stressful period of exams.

Initially we thought of creating this App for the whole stream of Engineering affiliated to the Mumbai University. However due to time scarcity we created it for the Second year Computer branch of Engineering affiliated to the Mumbai University. Firstly a splash screen is displayed which disappears after a certain time asking the user to sign up if they are new to the app or login instead if they already have an account. Accordingly the next window of sign up gets opened asking the user to fill all the details. This details get stored into the database accordingly. We made use of Firebase to provide realtime database and backend as the service. This makes the login process easy checking the username and password created during sign up from the database and displaying the messages accordingly. After login is successful user comes across a dashboard window which displays the courses available and the courses enrolled by the user. After selecting the courses the demo version of the course is being displayed consisting of the information and a video related to the topics of the course. Demo window gives a jist of the content of the course which will help the user to understand and then decide whether to enroll for the full version or not. Next window displays the full version of the course which comprises of the PDF file which will help the user in understanding the concepts clearly and a video which will provide a practical view to the topics. Accordingly all the data required for the courses is being accessed from the backend.

## TIMELINE REPORT

Phases	Work Done	Time Taken
Resource Analysis & Gathering	<ul style="list-style-type: none"><li>- Target audience: Engineering students</li><li>- Subject resource gathered</li><li>- Resource in the form of videos and Pdfs</li></ul>	2 days
Analysis	<ul style="list-style-type: none"><li>- Mumbai university engineering students targeted</li><li>- User would have the choice of enrolling for demo or full version course</li><li>- Deciding features and functionalities of the app</li></ul>	2 days
Design	<ul style="list-style-type: none"><li>- Designing the app with features and functionalities</li><li>- Deciding upon the colour combinations for the app</li><li>- Designing the logo and favorite logo for the app</li><li>- Deciding a creative name for the app</li></ul>	4 days
Implementation	<ul style="list-style-type: none"><li>- SplashScreen</li><li>- LoginView</li><li>- SignUpView</li><li>- DashboardView</li><li>- DemoView</li><li>- FullView</li></ul>	12 days

	- PdfView	
Documentation	<ul style="list-style-type: none"> <li>- Keeping track of daily work done</li> <li>- Documenting all the information of the app and software used for the app</li> </ul>	Daily

## SOFTWARES USED

### 1. XCODE



**Xcode** is an integrated development environment (IDE) for macOS containing a suite of software development tools developed by Apple for developing software for macOS, iOS, iPadOS, watchOS, and tvOS. First released in 2003, the latest stable release is version 10.2.1 and is available via the Mac App Store free of charge for macOS Mojave users. Registered developers can download preview releases and prior versions of the suite through the Apple Developer website.

### 2. FIREBASE



Firebase is a mobile and web app development platform that provides developers with a plethora of tools and services to help them develop high-quality apps, grow their user base, and earn more profit. Services used :

- Realtime Database
- Firebase Storage
- Firebase Authentication

### 3. CorelDraw



CorelDRAW is one of the image-creating programs in a suite of graphic arts software used by professional artists, educators, students, businesses and the general public. The CorelDRAW Graphics Suite X7, which includes CorelDRAW, is sold as stand-alone software and as a cloud-based subscription. CorelDRAW is the core of the graphics suite and is primarily used for vector illustrations and page layouts. CorelDRAW can also be used by Creative professionals in print and online advertising use CorelDRAW to create and edit vector-based images and illustrations with and without graphics tablets. The CorelDRAW Graphics Suite X7 can also be used to arrange print layouts, design logos and retouch photographs. With the suite, you can convert bitmap images into vector-based graphic art, which you can then edit and customize. Hobbyists can use CorelDraw's powerful layout and image-editing features to design calendars, newsletters, banners, scrapbooks and other projects.

#### **PROGRAMMING LANGUAGE USED:**

**SWIFT**

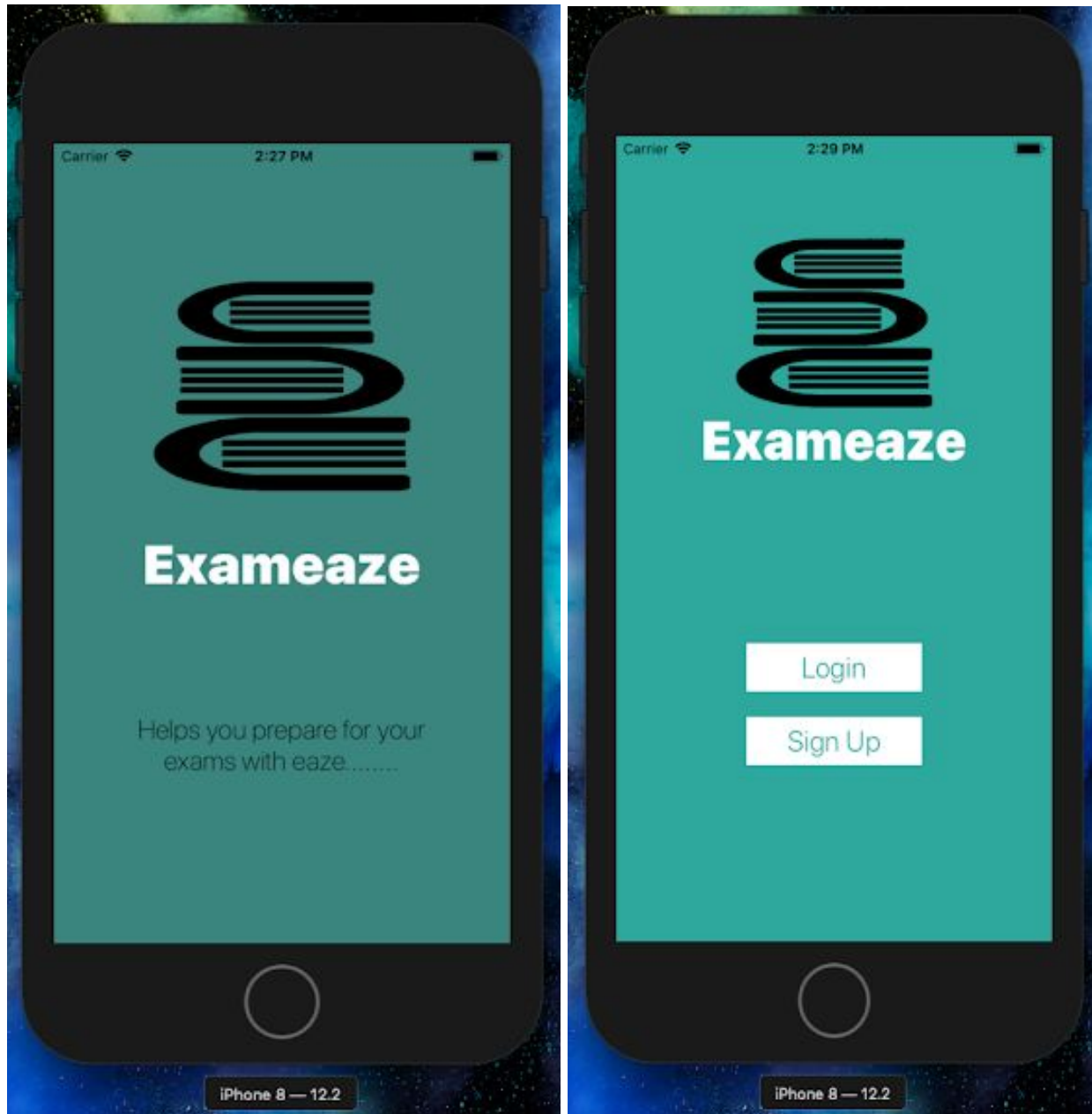


Swift is a general-purpose, multi-paradigm, object-oriented, functional, imperative and block structured language. It is the result of the latest research on programming languages and is built using a modern approach to safety, software design patterns by Apple Inc.. It is the brand new programming language for iOS application, macOS application, watchOS application, tvOS application. Soon it became one of the top 5 programming languages and gained popularity among Apple developer community over the few years of time replacing the old school Objective C.

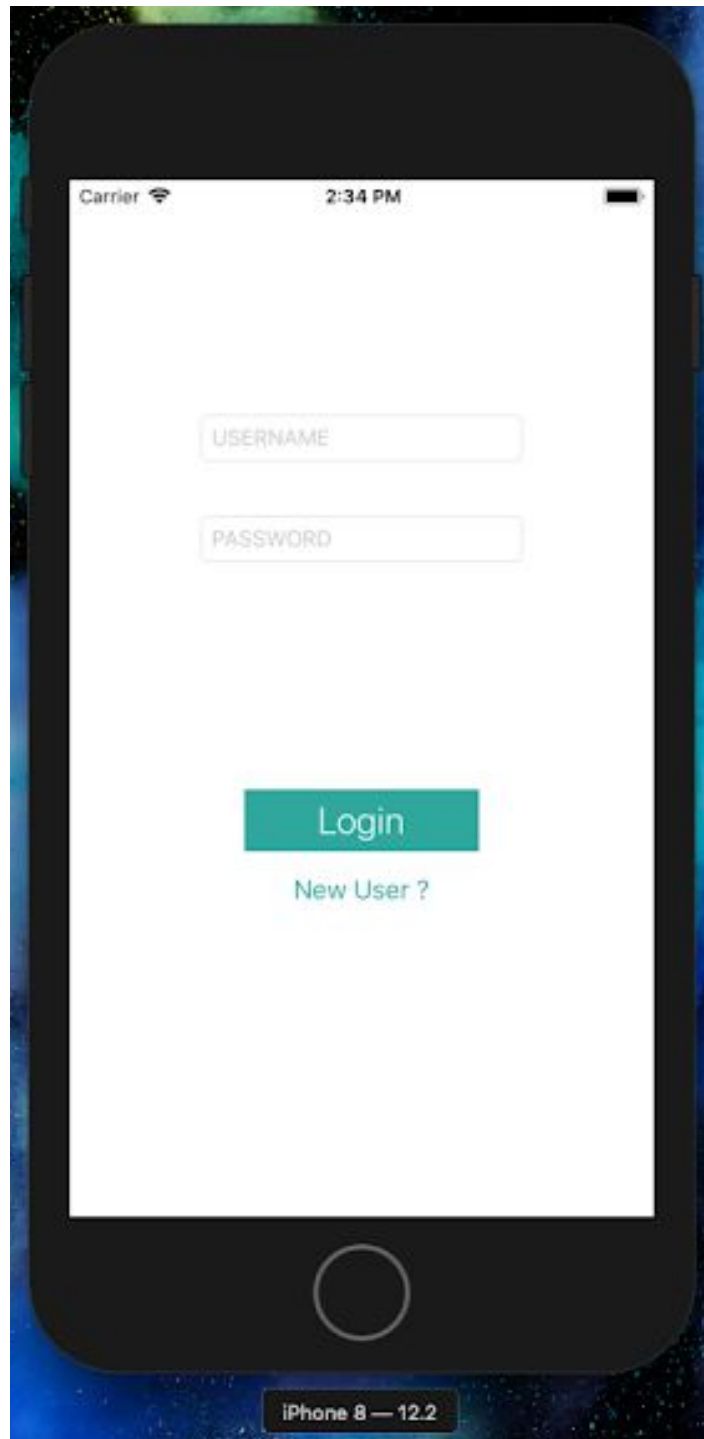


## OUTPUT SCREENS

### 1. SplashScreen



## 2. LoginView



### 3. SignUpView

Carrier 2:35 PM

## Sign Up

FULL NAME

CONTACT

EMAIL-ID

DOB (DD/MM/YYYY)

STREAM

BRANCH

UNIVERSITY

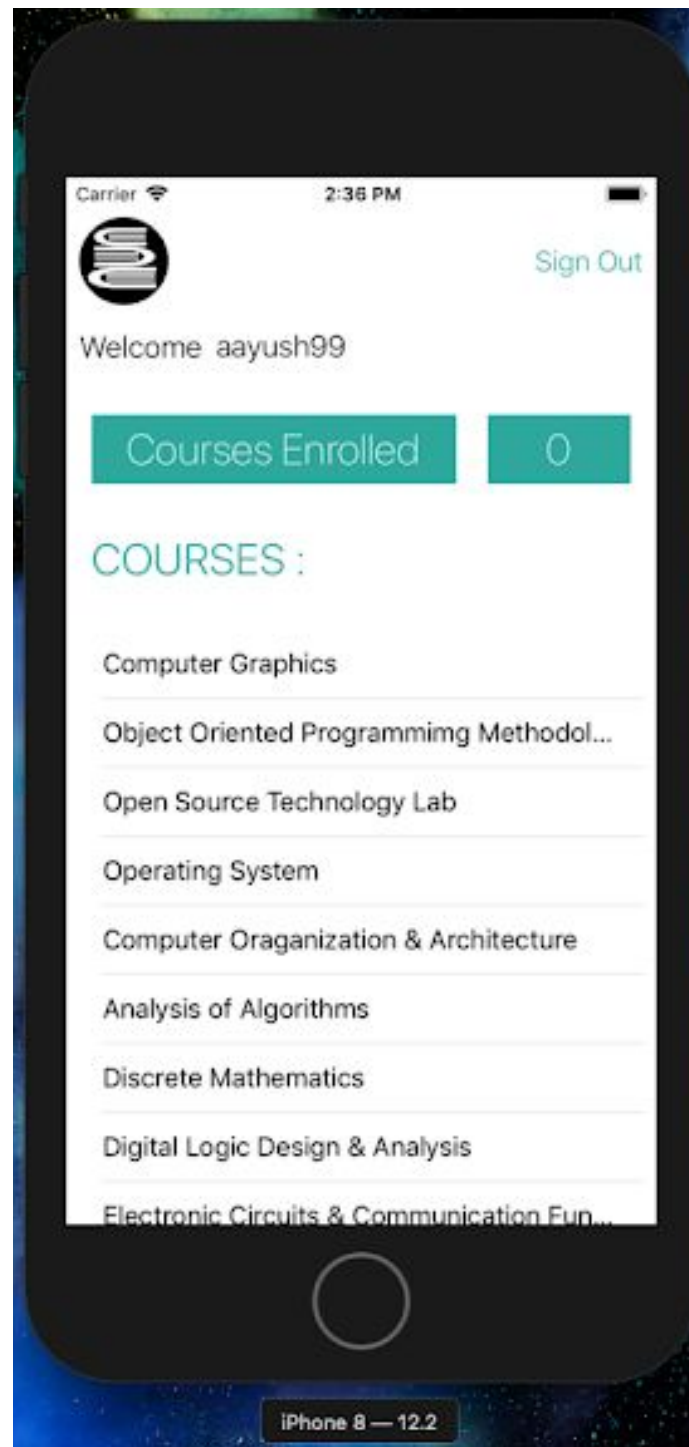
YEAR

USERNAME

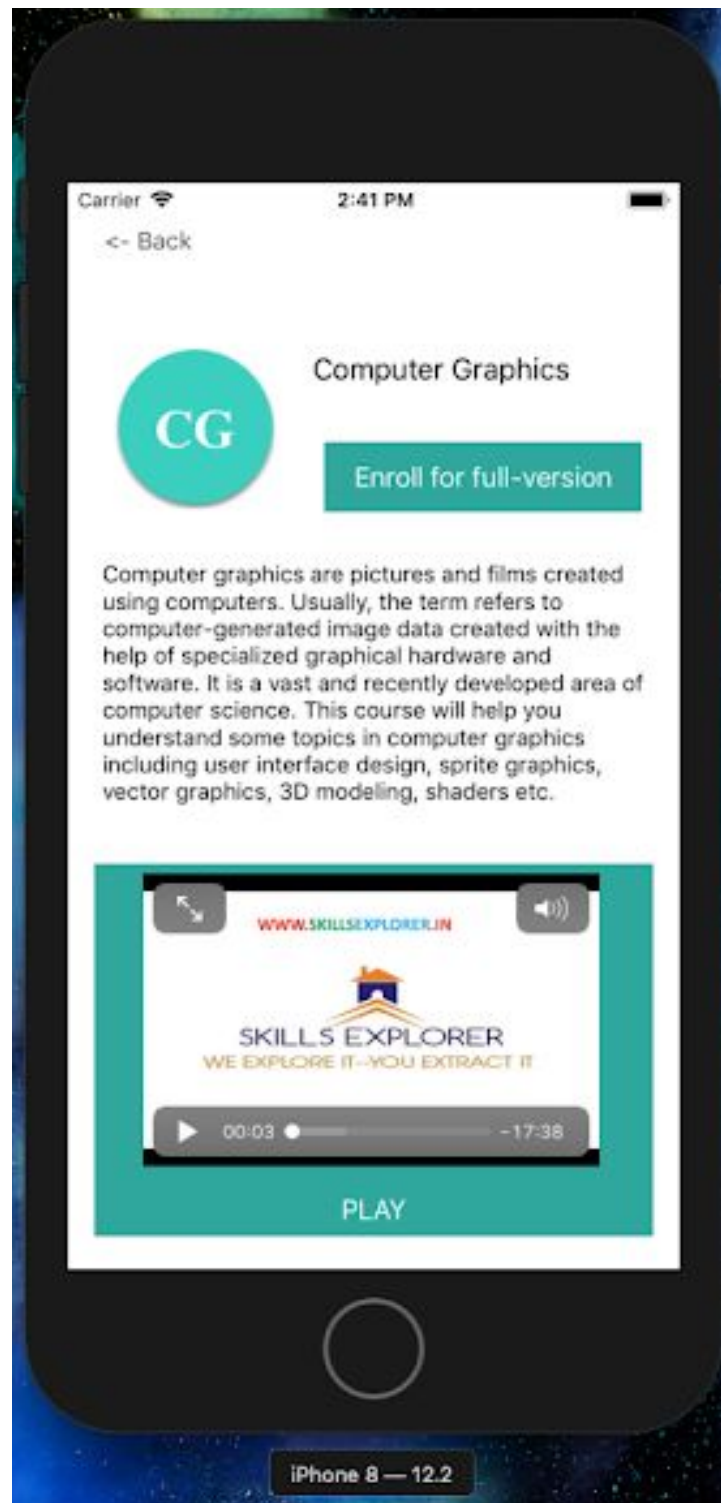
PASSWORD

iPhone 8 — 12.2

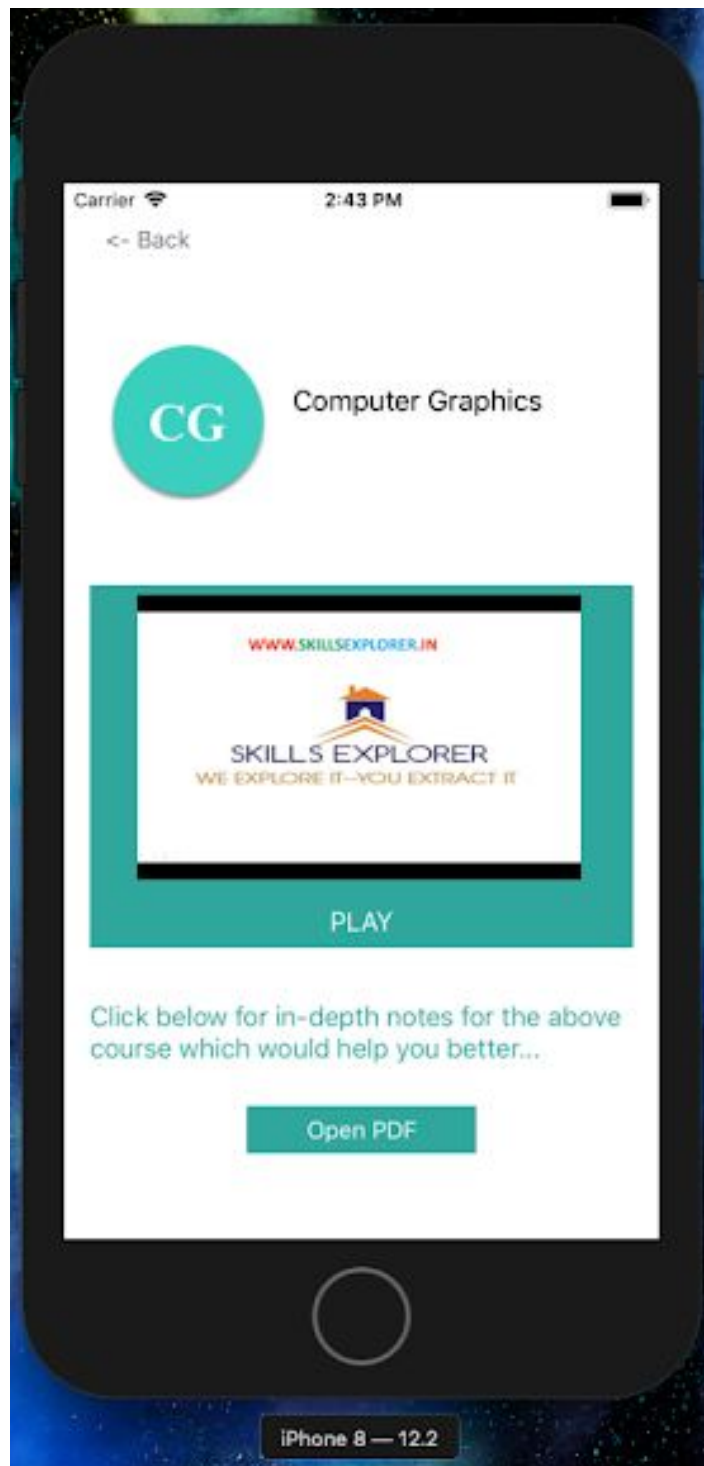
#### 4. DashboardView



## 5. DemoView



## 6. FullCourseView



## 7. PdfView



## CONCLUSION

The project Exameaze emphasized on creating an iOS learning app which gives a modern perspective to learning concepts and topics related to a person's academic or competitive curriculum. The project focused on letting the user to grasp the information required in a smart way. Having considered the growth of internet and a wide spread of knowledge over it, the users are definitely looking forward to such resources that make their tedious work more easy and also keep it up to the mark. Thus, we are sure that Exameaze is one such small contribution made by us towards the learning environment.

We as a team are truly gratified for having given us the opportunity and encourage ourselves to develop and create something that would surely help other students like us.

## FUTURE SCOPE

Exameaze is now focusing on Mumbai University's engineering syllabus but it aims to spread across all the university's syllabus so that it can cover maximum users to help learning the courses fast and easily. Exameaze aims to explore all other fields other than engineering which could help other students to earn from exameaze.

Exameaze as a global learning system would also tie-up with teachers who would give online instructional help to the students who are facing difficulties in understanding through videos and pdfs. Exameaze also aims to provide high efficiency technology with smart AI bot so that if students would want some help they could get by the super intelligent bot.

There is a wide scope of Exameaze which developers could explore and provide users with much greater experiences with functionalities of the iOS app. We hope to fulfil the wider scope of this project Exameaze.