Sou. Sushila Danchand Ghodawat Charitable Trust's

Sanjay Ghodawat Group of Institutions

Mini Project Report

Department of Computer Science & Engineering

Shivaji University, Kolhapur

Academic Year: 2017-18

A
Mini Project Report
On
"SU-NOTES"
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Shivaji University, Kolhapur (Maharashtra)

2017-2018

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We are grateful to Prof.C.S. Arage sir, CSE Department whose guidance has been immense all throughout mini project work entitled

"SU-NOTES"

Our sincere thanks to Dr.B.C.Melinmath, HOD CSE for her permission to work on this project, valuable guidance and timely advices in the completion of this mini project.

We would like to express our sincere and heartfelt thanks to all the faculty members of the department for their continuous cooperation, which has given us cogency to build-up adamant aspiration over the completion of our mini project.

Finally, we thank one and all who directly and indirectly helped us to complete our project successfully.

Sincerely,

1. Shubham Gajanan Haval. (Roll No. 46)

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CERTIFICATE

This is to certify that this project report titled "SU-NOTES" is the bonafide work of **Mr. Shubham Haval, Mr.Vikram Shinde, Mr. Gajanan Benake and Mr. Aniket Phadtare** towards the partial fulfillment for the Third Year of Engineering in Computer Science & Engineering to Shivaji University, who carried out the work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation.

Prof. Mr. C. S. Arage   Prof. Mr. K. M. Aldar

(Project Guide)   (Project Co-coordinator)

Dr. B. C. Melinamath   Dr. V. V. Kulkarni

(H.O.D CSE)   (Director, SGI)

Internal Examiner   External Examiner

ABSTRACT

The name of our project is "SU-NOTES". The project is based on Android application using JAVA and XML.

The main aim of this project is to introduce the mobile learning based information by means of Android.

Mobile learning as an intersection of Mobile Computing and E-Learning providing resources that can be accessed anywhere has capability in an excellent searching system, rich interaction and full support towards an effective Learning and performance based assessment.

The application of mobile learning can be used through the android operating system that is chosen in consideration to that Android has been dominating the Smartphone market and is an open-source operating system that is easily developed.

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INTRODUCTION

CHAPTER 1

INTRODUCTION

- There are more than 20 engineering colleges under Shivaji University and getting all the notes at a very short time is very difficult.

- So we are developing an app which makes learning easy and fast for students. Now we are in an era where living without the Smartphones is not comfortable.

- An interactive learning, by using Mobile learning concept, is something to make learning more interesting and not monotonous. A new trend in eLearning nowadays is known as Mobile Learning, the use of portable media such as Smartphone either using the Android system, IOS or Windows Phone.

- Every student uses a Smartphone in a constant way, so we introduce our app with simple interface and easily understandable and will contribute for easy learning of each and every student.

LITERATURE SURVEY

CHAPTER 2

LITERATURE SURVEY

2.1 Existing work:

- Now after doing some research and gathering some statistics we got to know that we as engineering students are been provided with notes(both hard copy and soft copy) every year every sem.
- But a major problem is that a student has to run here and there behind every faculty for respective subject notes, also it is a big headache for every faculty to maintain and distribute the notes every year.
- So we decided to make something that would be a central storage where all the notes would be stored and available anywhere anytime free of cost (in the form of E-notes), without the worry of running here and there for it.

2.2 Proposed work:

- Nowadays each and every student of our country possess a smartphone, irrespective of having a laptop, PC or any other electronic gadget.
- So we decided to choose our domain as android and make an android app for the same (that is provide free E-notes anytime anywhere).
- Also syllabus copy of each and every subject would be available.
- Also our app would support and promote our PM Modi's vision of Digital India (that is making everything paperless and E-way).

REQUIREMENT SPECIFICATION

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Hardware:

Personal Android Smartphone of minimum version android 4.4 Lollipop

3.2 Software:

Android Studio-

Android Studio is Android's official IDE. It is purpose built for Android to accelerate your development and help you build the highest-quality apps for every Android device.

3.3 Back-end:

WordPress–

WordPress is open source software you can use to create a beautiful website or blog. It just may be the easiest and most flexible blogging and website content management system (CMS) for beginners.

We have used WordPress for hosting our notes or the files on the internet and then calling them in our app by using the public URLs of those respective files which end with the .pdf extension.

3.4 Designing tools:

Java-

Java is a programming language and computing platform first released by Sun Microsystems in 1995. There are lots of applications and websites that will not work unless you have Java installed, and more are created every day.
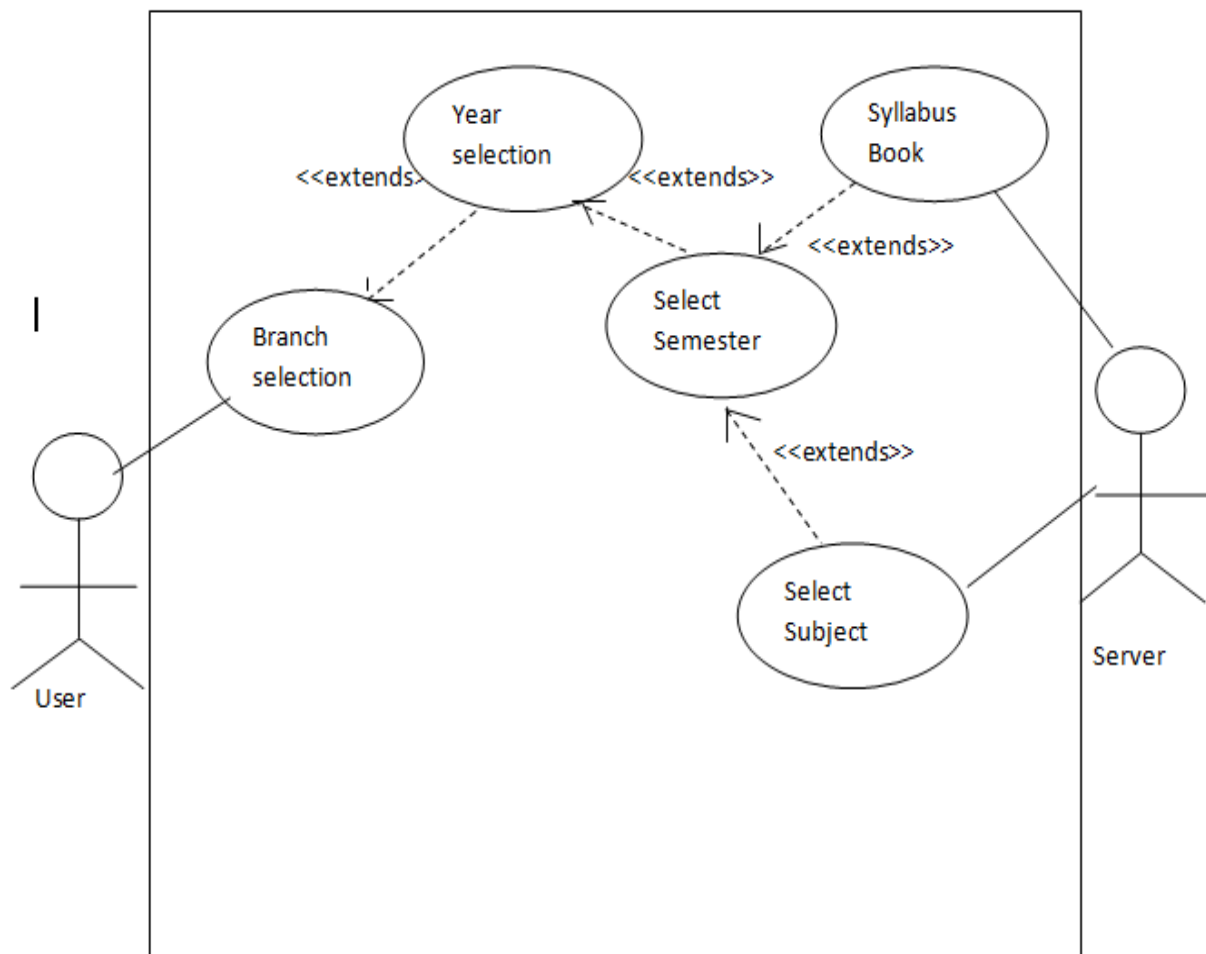
XML-

XML stands for Extensible Markup Language.XML is a markup language much like HTML. It was designed to store and transport data.

UML DIAGRAMS

CHAPTER 4

UML DIAGRAMS

4.1 Use case diagram:

- First users will be provided welcome screen when they first start our app.

- Then users will be provided with an option to select the branch.

- Next there will be option to select the year.

- Either go for the syllabus copy or otherwise select the semester, then select the subject and access the data.
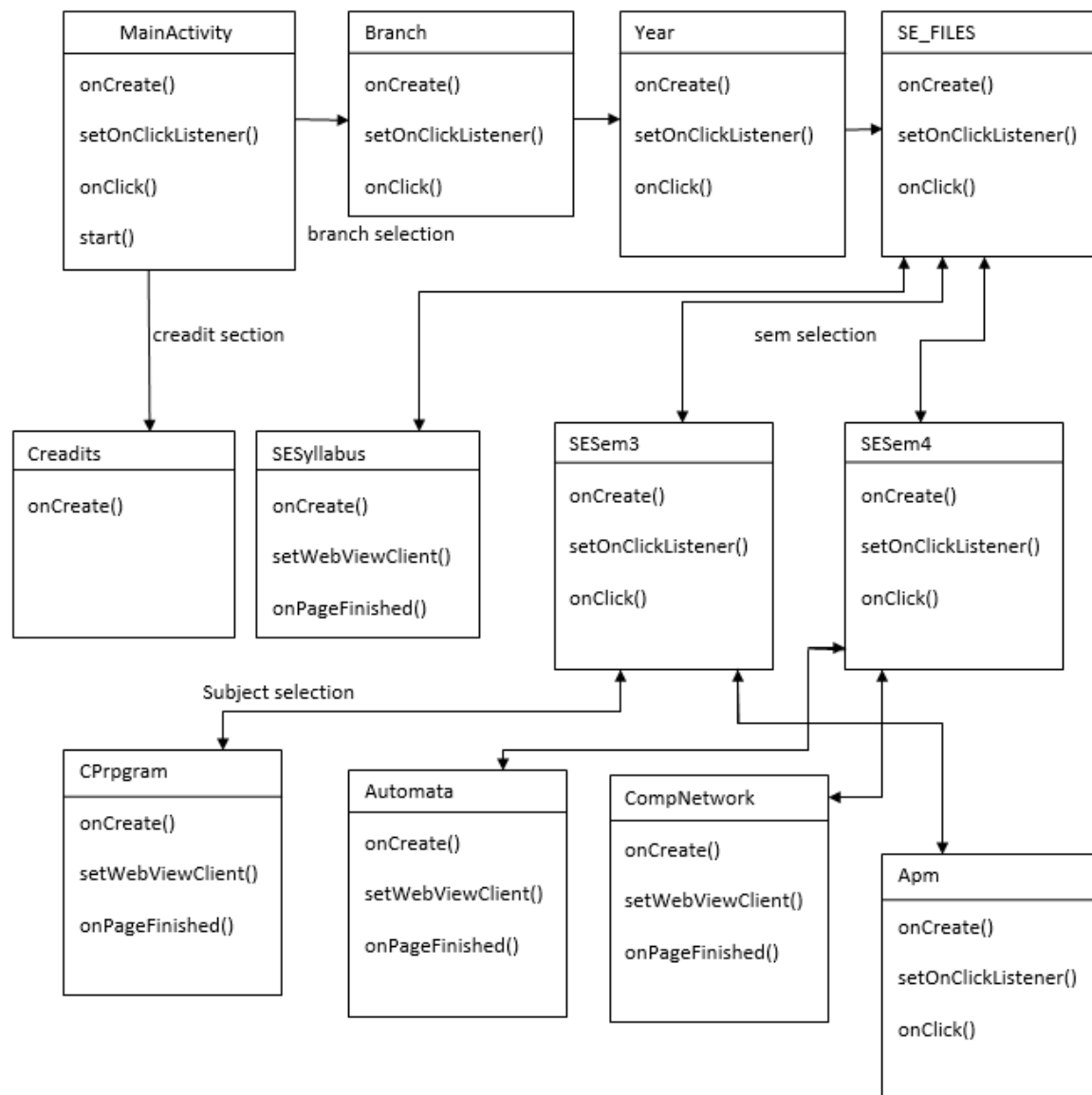
4.2 Activity diagram:
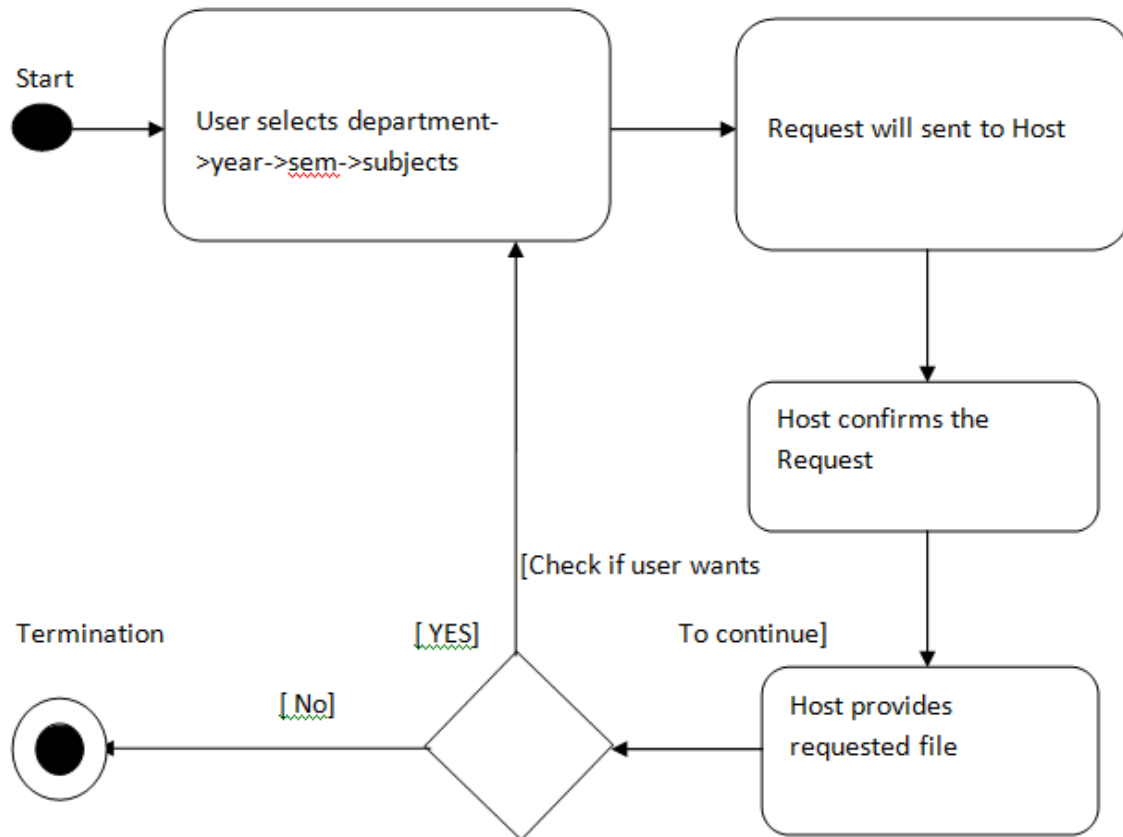
- First user selects Department-Year-Semester-Subject.

- Request of selected subject's notes will be sent to the host.

- Host confirms the request and provides the notes to the user.

- If user wants to continue (user wants the notes of another subject) same process will be repeated.

4.3 Class Diagram

MainActivity		Branch		Year		SE_FILES
onCreate()		onCreate()		onCreate()		onCreate()
setOnClickListener()		setOnClickListener()		setOnClickListener()		setOnClickListener()
onClick()		onClick()		onClick()		onClick()
start()						

branch selection

creadit section

sem selection

Creadits		SESyllabus		SESem3		SESem4
onCreate()		onCreate()		onCreate()		onCreate()
		setWebViewClient()		setOnClickListener()		setOnClickListener()
		onPageFinished()		onClick()		onClick()

Subject selection

CPrpgram		Automata		CompNetwork		Apm
onCreate()		onCreate()		onCreate()		onCreate()
setWebViewClient()		setWebViewClient()		setWebViewClient()		setOnClickListener()
onPageFinished()		onPageFinished()		onPageFinished()		onClick()

SYSTEM TESTING & VALIDATION

CHAPTER 5

SYSTEM TESTING & VALIDATION

Test Cases:

Case ID	Test Cases	Expected Output	Actual Output	Pass/Fail	Remarks
1.	Start of app	Display welcome page	Success	Pass	Good
2.	Branch Selection	Display year	Success	Pass	Good
3.	Syllabus Book	Display syllabus copy of year	Success	Pass	Good
4.	Semester Selection	Display Subjects	Success	Pass	Good
5.	Subject Selection	Access notes of subject	Success	Pass	Good

SNAPSHOTS
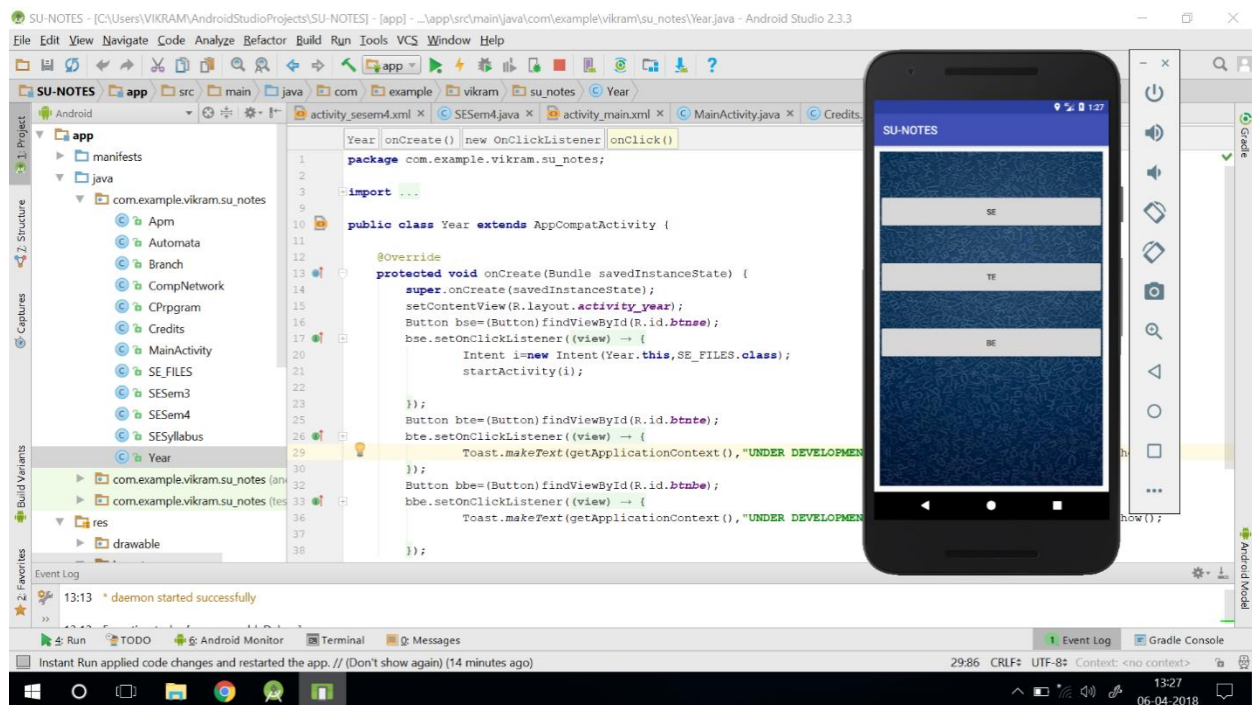
CHAPTER 6

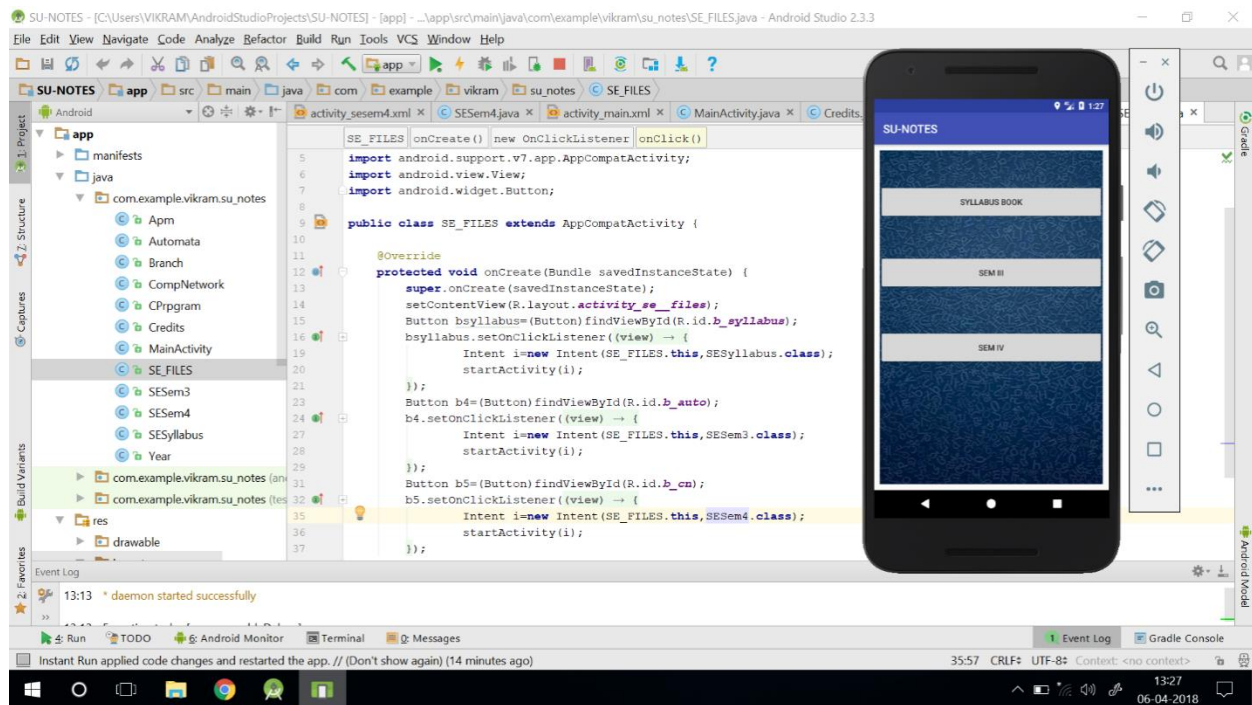# SNAPSHOTS

WELCOME ACTIVITY
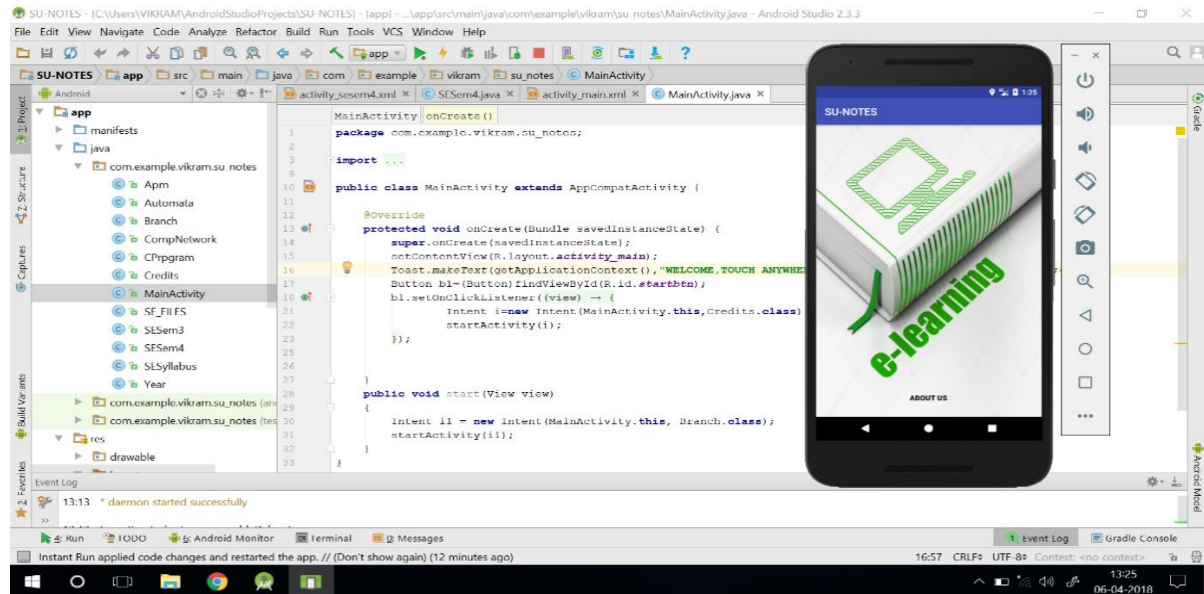
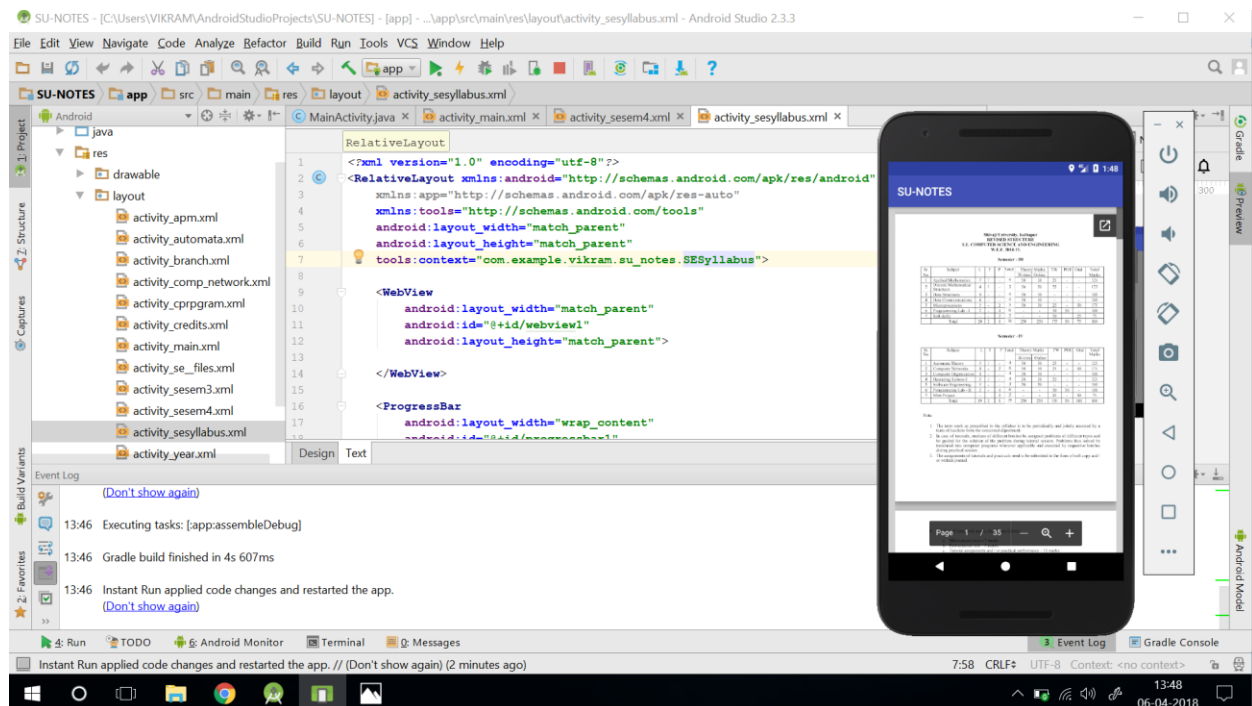

ABOUT US ACTIVITY
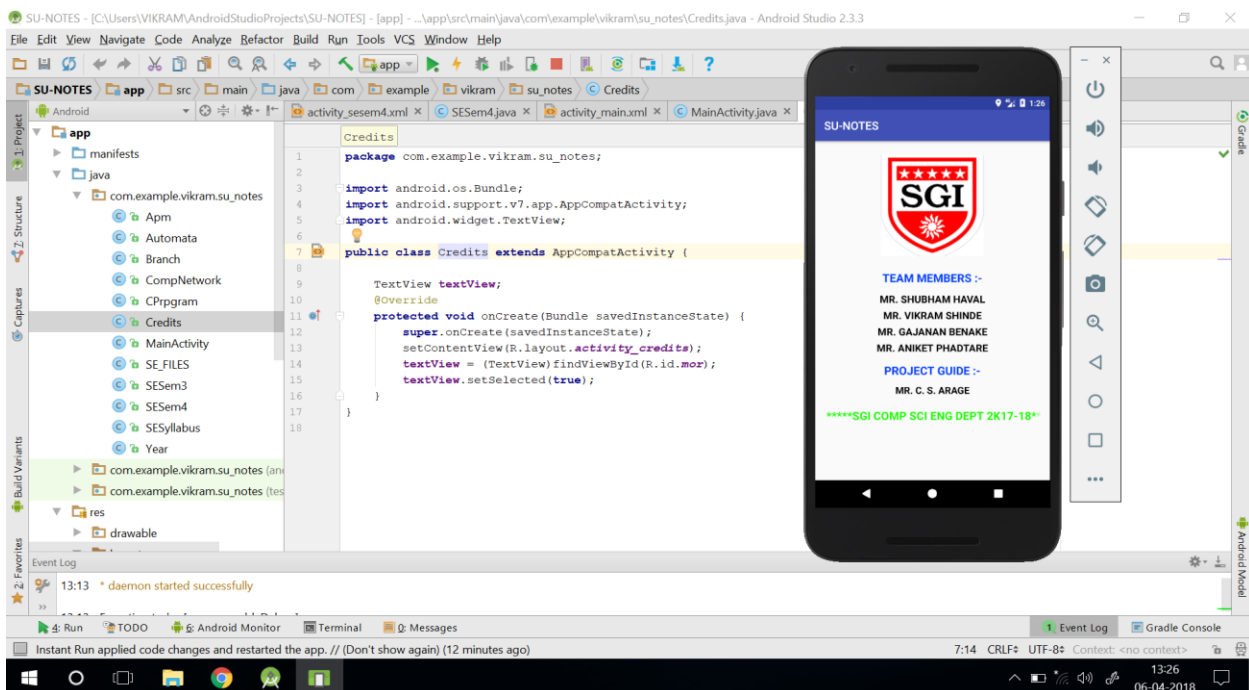
BRANCH SELECTION ACTIVITY
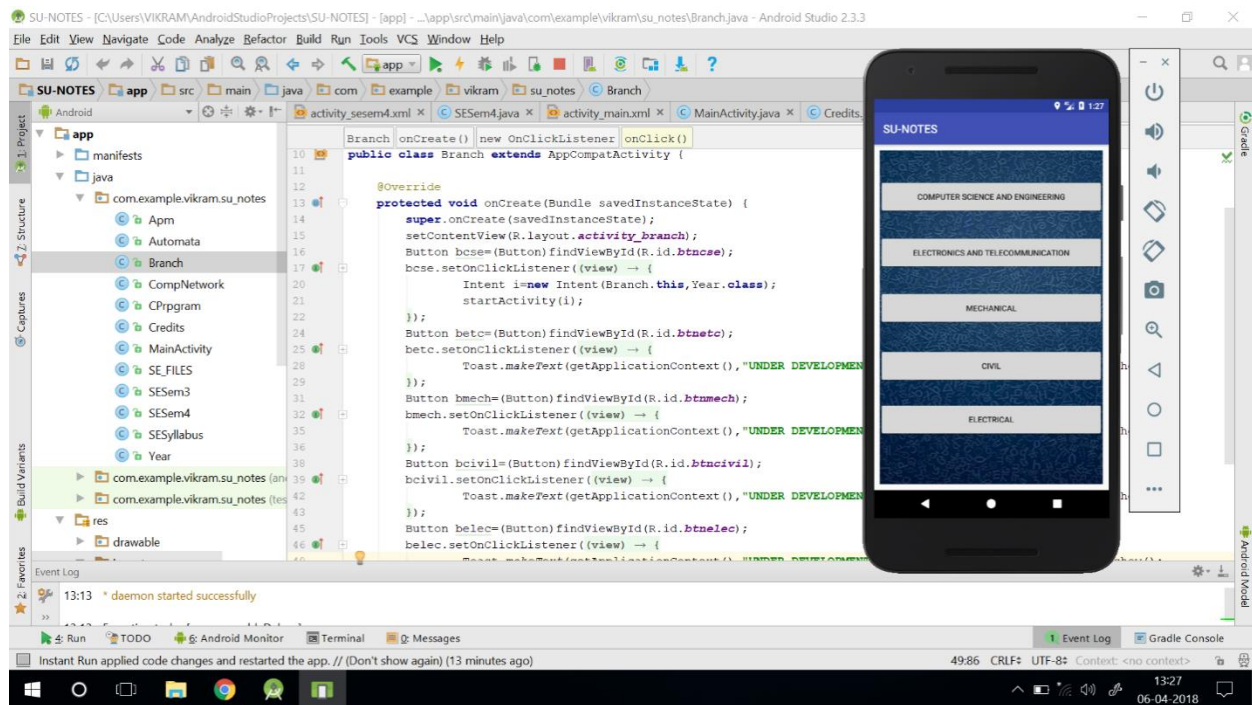
YEAR SELECTION ACTIVITY

SEMESTER SELECTION ACTIVITY
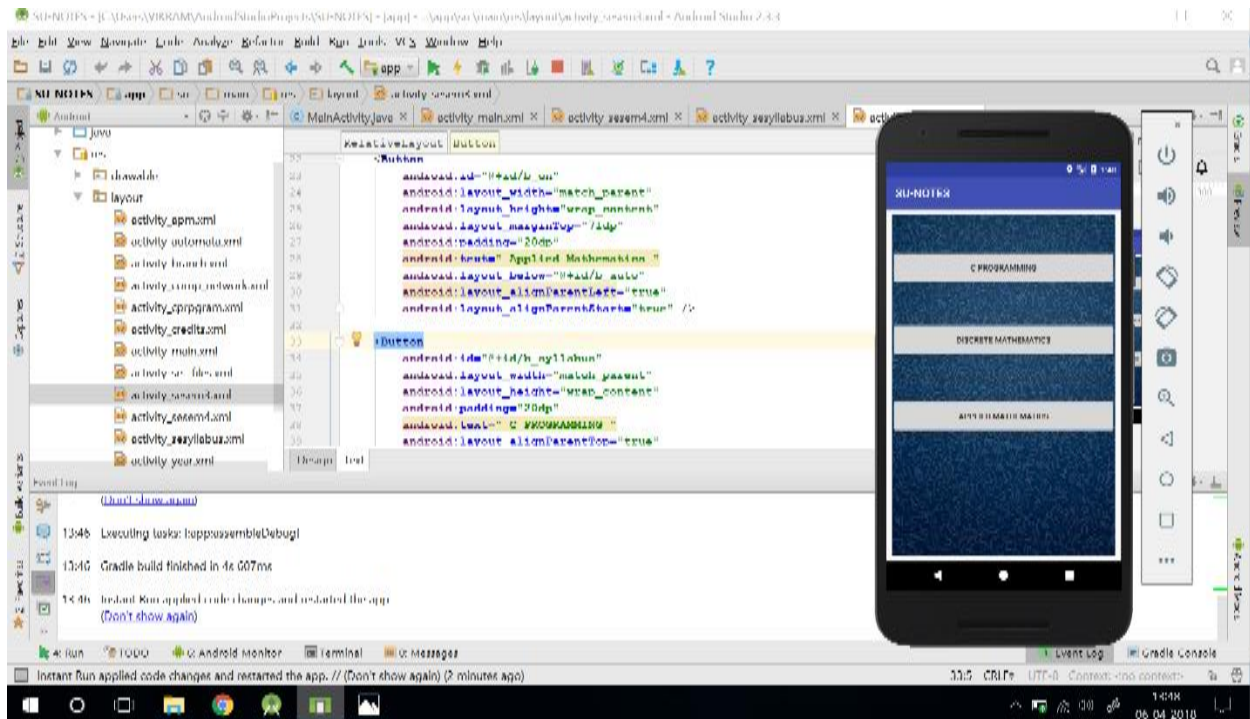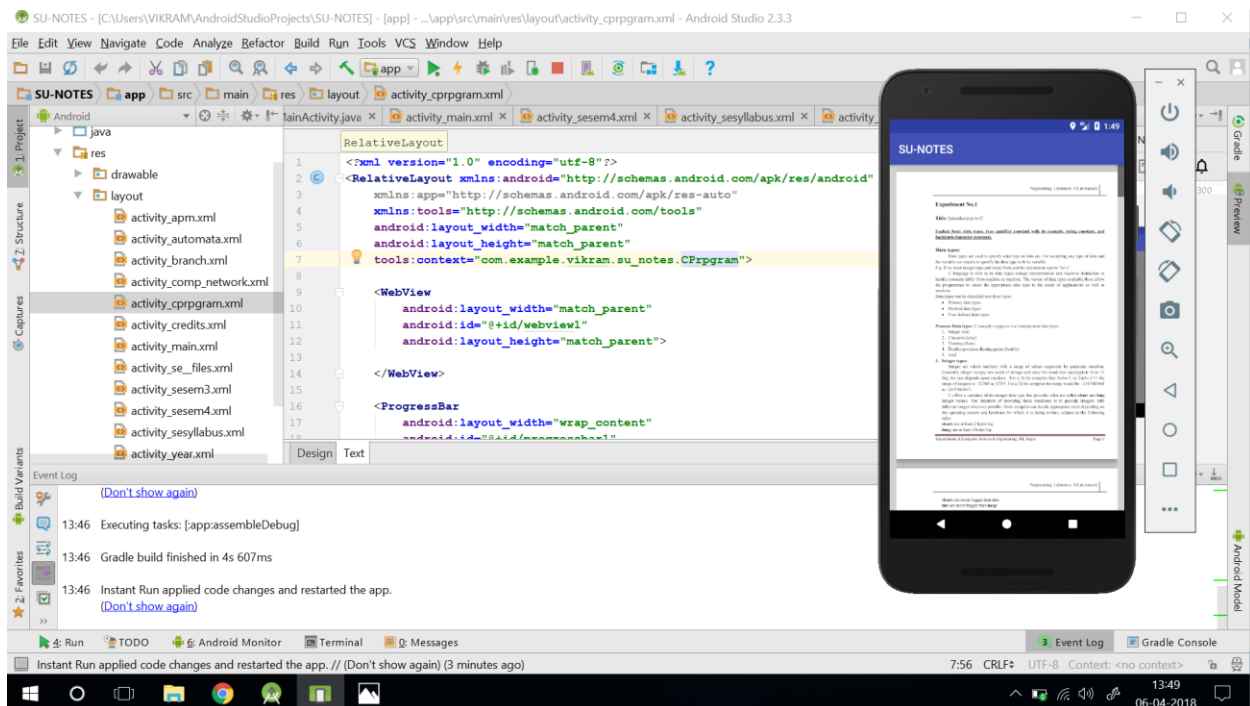

SYLLABUS BOOK ACTIVITY

SUBJECT SELECTION ACTIVITY

SAMPLE SUBJECT ACTIVITY

CONCLUSION

CHAPTER 7

CONCLUSION

This android app provides easy access to the notes of various subjects of engineering colleges that come under the Shivaji University.

This app promotes our PM Modi's vision of "Digital India" by providing the notes in the form of soft copies via the electronic platform that is the internet via out app.

It decreases or reduces the gap between the teacher and the student of always meeting each other in person to provide the notes in the form of hard copies and then getting them Xeroxed, thus saving our time and also saving our money.

The app is also free of cost and can be accessed by anyone anywhere with the touch of their finger tip. The only basic thing that they need is an Android phone and a working internet connection.

Thus our app would be an innovative and digital solution to the problems faced by Shivaji University students in terms of getting the notes of each and every subject at the touch of their fingertips anytime anywhere.

FURTHER SCOPE

CHAPTER 8

FURTHER SCOPE

Currently our app has support for only the Computer Science Department notes and the syllabus for its second, third and fourth year.

In future our app can be expanded on a large scale by adding notes of each and every department that come under the Shivaji University.

Also in future we can connect with the teachers all over the Shivaji University and ask them for their notes and if they are interested in giving their notes.

We can their monitor the note and add it in our app and also the respective authors name in the credit section.

REFERENCES

CHAPTER 9

REFERENCES

9.1 Books:

- Android Programming: The Big Nerd Ranch Guide (Big Nerd Ranch Guides) (By: Bill Philips & Brian Hardy)

- Android User Interface Design: Turning Ideas and Sketches into Beautifully Designed Apps (By: Ian G. Clifton)

9.2 Websites:

- https://developer.android.com/index.html

- https://stackoverflow.com/documentation/android/topics