

# **SoftPedia**

*A Project Report Submitted in partial fulfilment of the requirements for the award  
of the degree of*

## **Bachelor of Technology** in ***Computer Science and Engineering***

**By**

**Aman Kushwaha**  
**(181500075)**

**Under the Guidance of**

**Mr. Pankaj Kapoor**

**Department of Computer Engineering and Applications**  
**Institute of Engineering and Technology**



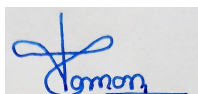
**GLA University**  
**Mathura- 281406, India**  
**Dec, 2020**

## **Declaration**

We hereby declare that the work which is being presented in the Full Stack Project “**SoftPedia**”, in fulfillment of the requirements for Full Stack project in Computer Science and Engineering and submitted to the Department of Computer Engineering and Applications of GLA University, Mathura, is an authentic record of our own work carried under the supervision of **Mr.Pankaj Kapoor**.

The contents of this project report, in full or in parts, have not been submitted to any other Institute or University for the award of any degree.

Sign \_\_\_\_\_



Name of Candidate: Aman Kushwaha

University Roll No.: 181500075

## **Certificate**

This is to certify that the above statements made by the candidate are correct to the best of my/our knowledge and belief

---

### **Supervisor**

Mr. Pankaj Kapoor

Assistant Professor

Date :5 Dec, 2020

# Certification



## **ACKNOWLEDGEMENT**

It gives us a great sense of pleasure to present the report of the B. Tech FULL STACK Project undertaken during B. Tech. Third Year. This project in itself is an acknowledgement to the inspiration, drive and technical assistance contributed to it by many individuals. This project would never have seen the light of the day without the help and guidance that we have received.

Our heartiest thanks to Dr. (Prof). Anand Singh Jalal, Head of Dept., Department of CEA for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal.

We owe a special debt of gratitude to Mr. Pankaj Kapoor, Professor, for his constant support and guidance throughout the course of our work. His sincerity, thoroughness and perseverance have been a constant source of inspiration for us. He has showered us with all his extensively experienced ideas and insightful comments at virtually all stages of the project & has also taught us about the latest industry-oriented technologies.

We also do not like to miss the opportunity to acknowledge the contribution of all instructors who are available on YouTube and Stackoverflow. I would like to thank all my friends who helped me in making this project.

Last but not the least, I would like to express our deep sense of gratitude and earnest thanks giving to our dear parents for their moral support and heartfelt cooperation during the project.

## **ABSTRACT**

In Today's virtual world We are living in a world which encourages a culture of proprietary software. Most of us have always used only proprietary software on our computers. In this project i am going to create a Web Application which provide free software of every field present in this virtual world .This Web Application is going to be helpful for everyone who is a part of this virtual world ,they can be MAC user ,Windows User or Android User. This Web Application will provide the flexibility to the user so user can download the software according to their requirement that which software he/she wants to download.

In internet world no proper website is providing the latest software at all,if any website is providing the MAC softwares but no providing the Windows software then user will face the difficulty to find the software from different websites. This project is going to remove these difficulties by providing those all softwares of every Operating System in a single place in a proper manner.

Our Website softpedia is going to provide all type of softwares in our website. Softwares can be any of the type related to different different categories according to users requirement. Suppose user is searching for the softwares of E commerce than all the related software of e commerce will be available in our website.

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# **1. Introduction**

## **1.1 Overview and Motivation**

Our Website Softpedia is a front end static website where users can download the best softwares of MAC,windows and android. every software is categorized into subcategory from where everyone can access the content of this website. My is just to provide best quality content to the users so user have no need to worry about which software is best for their category. user have just navigate their category and all the related software of their cartegory will be appear on that page Our Website is the major download portal that doesn't wrap software packages/installers and provides them exactly as the developers offer them i have developed this website within 4 months. in our website there is no need to purchase any software . whatever we have provided here is free of cost.

If you are Looking to download safe free versions of the latest software for Mac, than our website is specially designed for you Softpedia is the best way to discover Free Mac Software. Download, install, or update Mac Apps, read user reviews or submit your own. If you've never used Softpedia, do give it a try.

For Windows software our website is one of the biggest software download sites where you can find almost any free and paid software you want for multiple platforms. The good thing about Softpedia is that you will always get the latest version of the software you want.

All the android application is also available in our site . One of the best things about SoftPedia is its different categories where you can find the top 100 free software, latest user reviews, top user favorites, top portable apps, etc. and all the related details of softwares will be categories in each section of each software



## **Overview of the project:**

- Different Softwares in Different Categories.
- All Windows ,Mac and Android software availability
- No Need to pay Huge amount of money.
- No need to search in thousands of website
- Always get latest version of softwares.
- No Need for scanning softwares from antiviruses everything is scanned already from different resources many times.

## **1.2.OBJECTIVE**

- Target millions of potential users to use and engage with our app.
- Users could be anyone who finds our website and likes it and wants to share.
- A user could be someone who is a content creator like me instructors, youtubers, blog and tutorial writers, book authors etc all the related softwares will be available in our website
- No need of signup/signin to our app to post/share/like the links/urls
- User will get Every software free of cost.

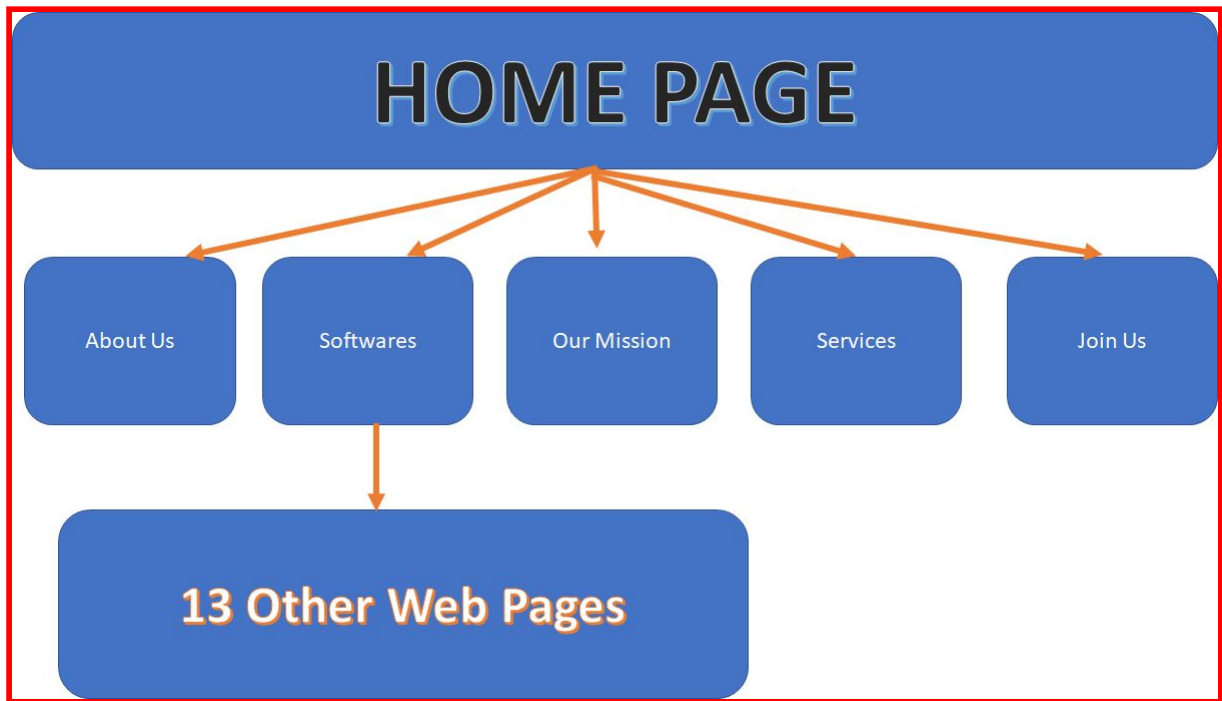
## 1.3 Operation Of Application

- ❖ **Our Website Softpedia** is doing thorough testing of each software product and game list, providing high quality, home made screenshots for each program as well as checking each one for any evidence of viruses, malware, adware or spyware using a variety of well know antivirus and antispysware products.
- ❖ There is no doubt that those who want to download the latest and old versions must visit our site. Our Website is presently recorded among the primary stages due to conveying ideal answers for its guests fit as a fiddle of hand-picked software titles.
- ❖ Just like the other similar platforms, our website also has a massive amount of software and apps to download and also regularly update with the latest versions and new software.

Total Software Available	Windows	MAC	Android
Game	4	3	3
E Learning	1	1	2
Movies	2	2	2
Food Service	4	4	4
E Commerce	3	4	4
Chatting	4	4	4
Music	3	1	1
Social Media	2	2	4
Photoshop	3	1	1

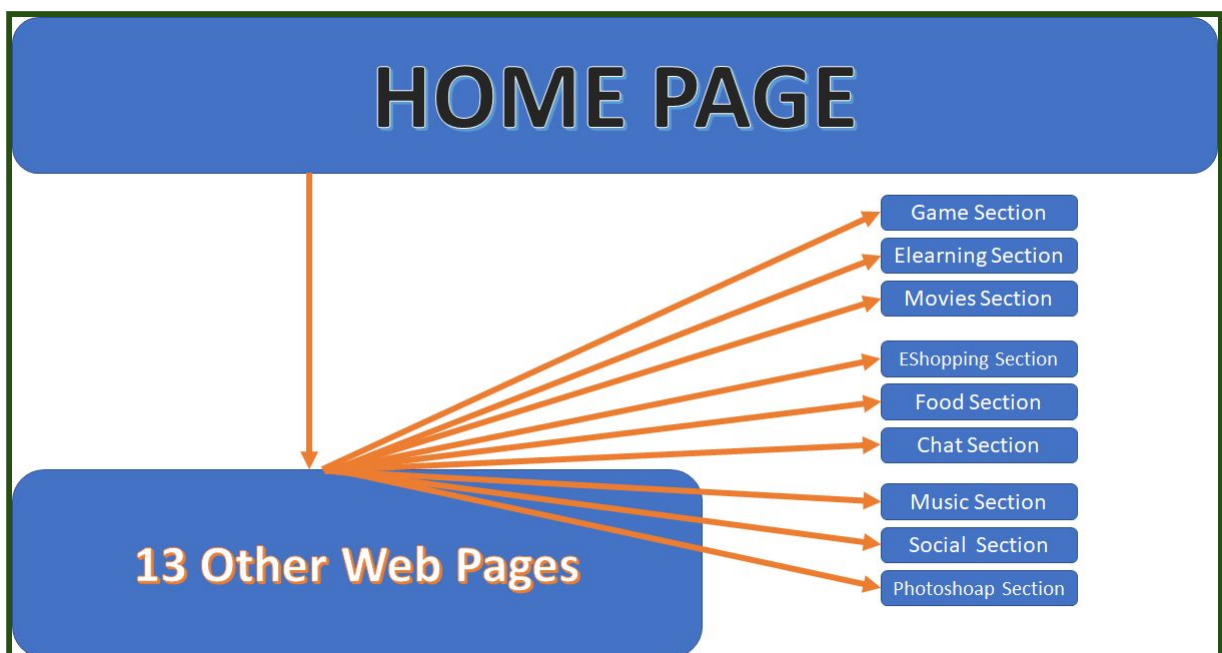
## 1.4 Organization Of The Project

**A. Home Page of Our Application:** Our Application is build using html ,css and Bootstrap



1.1 Home Page

**B. Software Section :**Software section have divided into 9 categories software section



## **1.5 Feasibility Study/Future Scope**

Every single program published on this website is going to be scanned with antivirus engines in order to guarantee that the programs are virus free. With thousands of titles across hundreds of categories, our website provide software and apps for any need.

The Internet allows businesses to break through the geographical barriers and become accessible from anywhere in the world by a potential customer that has an Internet connection. Everything in this website is going to be free so in future this website will shape a huge Performance because anyone can access the content of this website anytime anywhere.

In future every software related to anything will be available here in this website. Here now we are not providing backend system but major project will be based on front end and back end development system . Major project will have contribution system so user can give their requirement related to new software to this Web Application.

## **2. Software and Requirement Analysis**

### **2.1 Software And Hardware requirement**

Following are the hardware and the software requirements for our project:

#### **1. Hardware:**

§ Laptop/Desktop

§ 1.8 GHz or faster processor. Quad-core or better recommended

§ 4 GB of RAM and core i3 processor

§ Hard disk space: Minimum of 500MB

#### **2. Software:**

- Windows 8.1 and above
- Visual Studio Code
- Web Browser
- Bootstrap
- Github Desktop

#### **3. Language and Framework Requirements:**

- React JS
- CSS
- Bootstrap
- Next JS
- Express JS

## 2.2 Language and Framework Requirements

### HTML

Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications. With Cascading Style Sheets (CSS) and JavaScript, it forms a triad of cornerstone technologies for the World Wide Web.

Web Browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML Elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by *tags*, written using angle brackets. Tags such as `<img/>` and `<input/>` directly introduce content into the page. Other tags such as `<p>` surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.

### CSS (Cascading Style Sheets)

Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, variations in display for different devices and screen sizes as well as a variety of other effects.

CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages HTML or XHTML.

## **BOOTSTRAP**

Bootstrap is a free and open front-end framework for designing websites and web applications. It contains HTML - and CSS -based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions. Unlike many earlier web frameworks, it concerns itself with front end development only.

Bootstrap is the second most-starred project on GitHub, with more than 129,000 stars. Bootstrap comes with several JavaScript components in the form of jQuery plugins. They provide additional user interface elements such as dialog boxes, tooltips, and carousels.

## **JAVA SCRIPT (JS)**

**JavaScript**, often abbreviated as **JS**, is a high-level, interpreted programming language that conforms to the ECMAScript specification. It is a programming language that is characterized as dynamic, weakly typed, prototype-based and multi-paradigm.

Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications. The vast majority of websites use it and major web browsers have a dedicated JavaScript engine to execute it.

As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative (including object-oriented and prototype-based) programming styles. It has APIs for working with text, arrays, dates, regular expressions, and the DOM, but the language itself does not include any I/O, such as networking, storage or graphics facilities. It relies upon the host environment in which it is embedded to provide these features.

Although there are similarities between JavaScript and Java, including language name, syntax, and respective standard libraries, the two languages are distinct and differ greatly in design. JavaScript was influenced by programming languages such as Self and Scheme.

## **2.3 Software Requirement**

### **VISUAL STUDIO:**

Microsoft Visual Studio is an integrated development environment (IDE) from Microsoft. It is used to develop computer programs, as well as websites, web apps, web services and mobile apps. Visual Studio uses Microsoft software development platforms such as Windows API, Windows Forms, Windows Presentation Foundation, Windows Store and Microsoft Silverlight. It can produce both native code and managed code.

Visual Studio includes a code editor supporting IntelliSense (the code completion component) as well as code refactoring. The integrated



debugger works both as a source-level debugger and a machine-level debugger. Other built-in tools include a code profiler, forms designer for building GUI applications, web designer, class designer, and database schema designer. It accepts plug-ins that enhance the functionality at almost every level—including adding support for source control systems (like Subversion and Git) and adding new tool sets like editors and visual designers for domain-specific languages or toolsets for other aspects of the software development lifecycle (like the Team Foundation Server client: Team Explorer).

## **WEB BROWSER:**

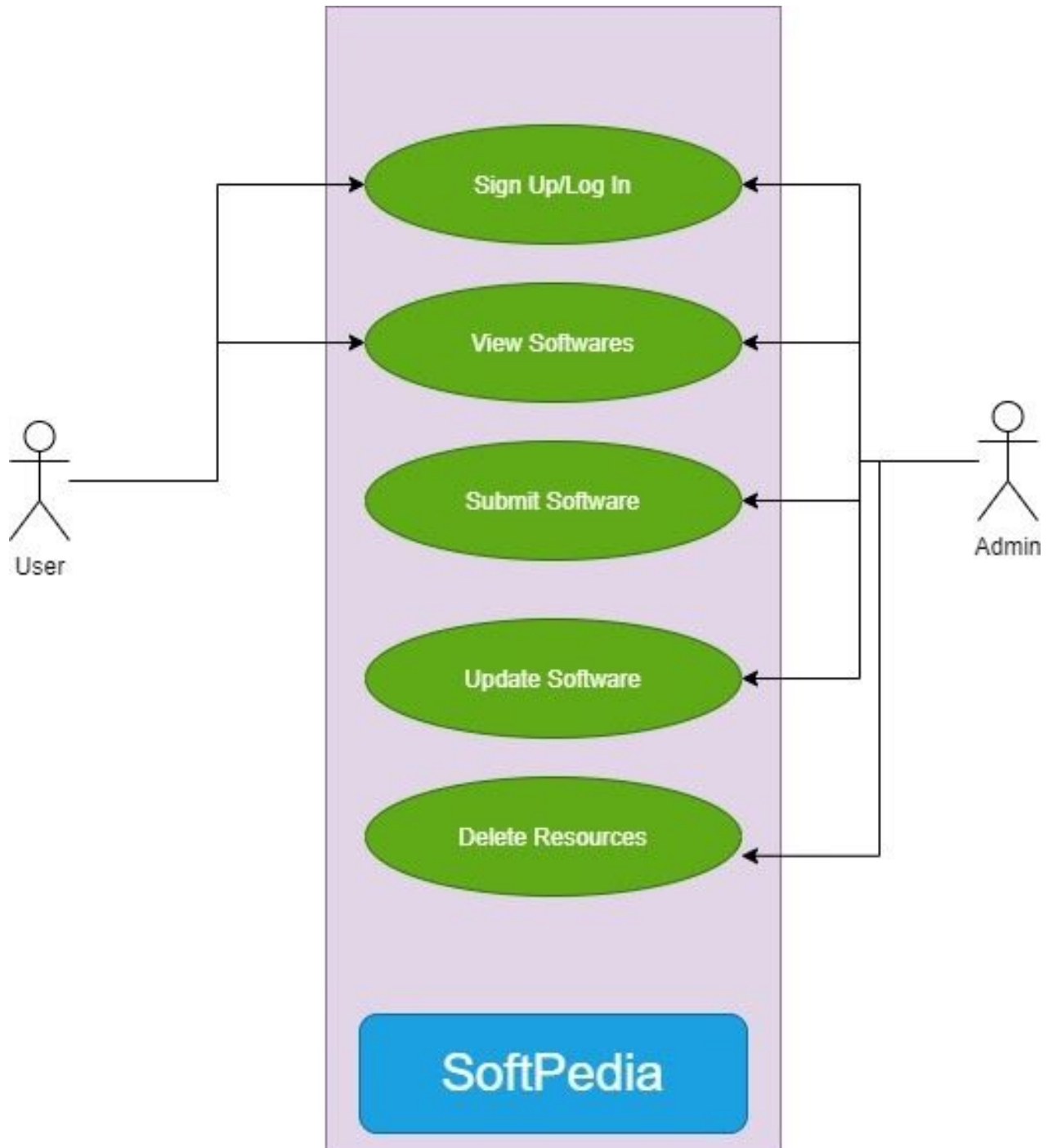
A **web browser** (commonly referred to as a **browser**) is a software application for accessing information on the World Wide Web. Each individual web page, image, and video is identified by a distinct Uniform Resource Locator (URL), enabling browsers to retrieve these resources from a web server and display them on the user's device.

A web browser is not the same thing as a search engine, though the two are often confused. For a user, a search engine is just a website, such as google.com, that stores searchable data about other websites. But to connect to a website's server and display its web pages, a user needs to have a web browser installed on their device.

The most popular browsers are Chrome, Firefox, Safari, Internet Explorer, and Edge.

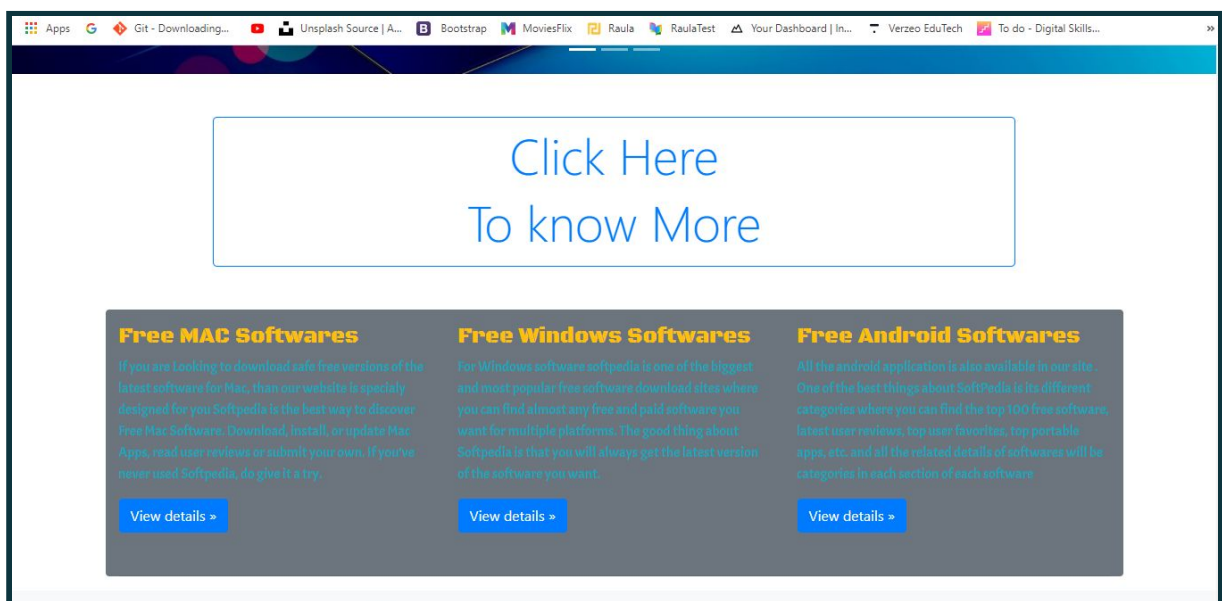
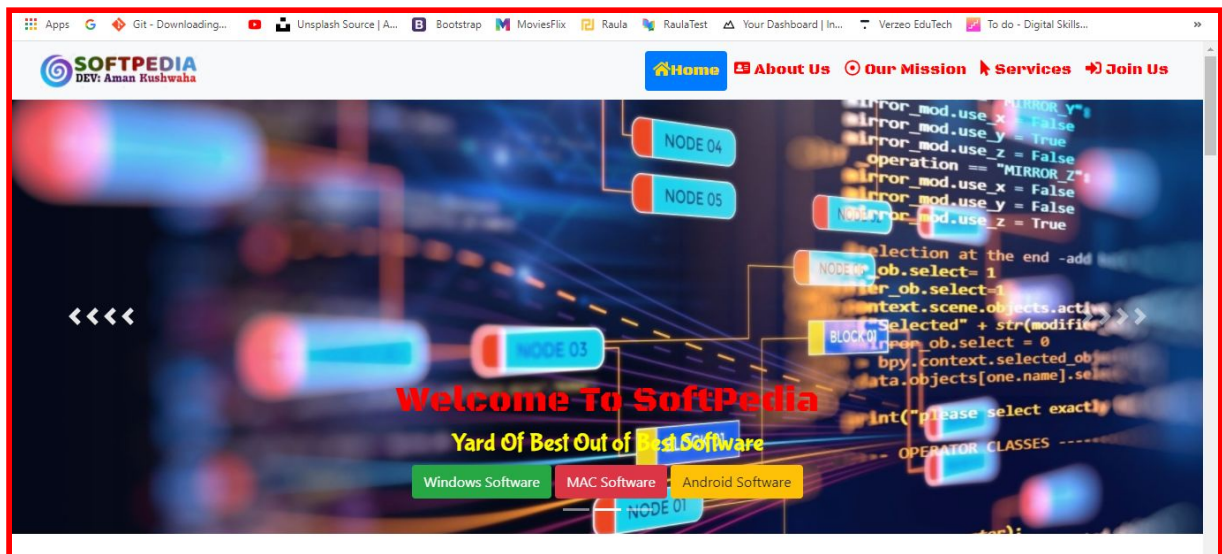
### 3. Software Design

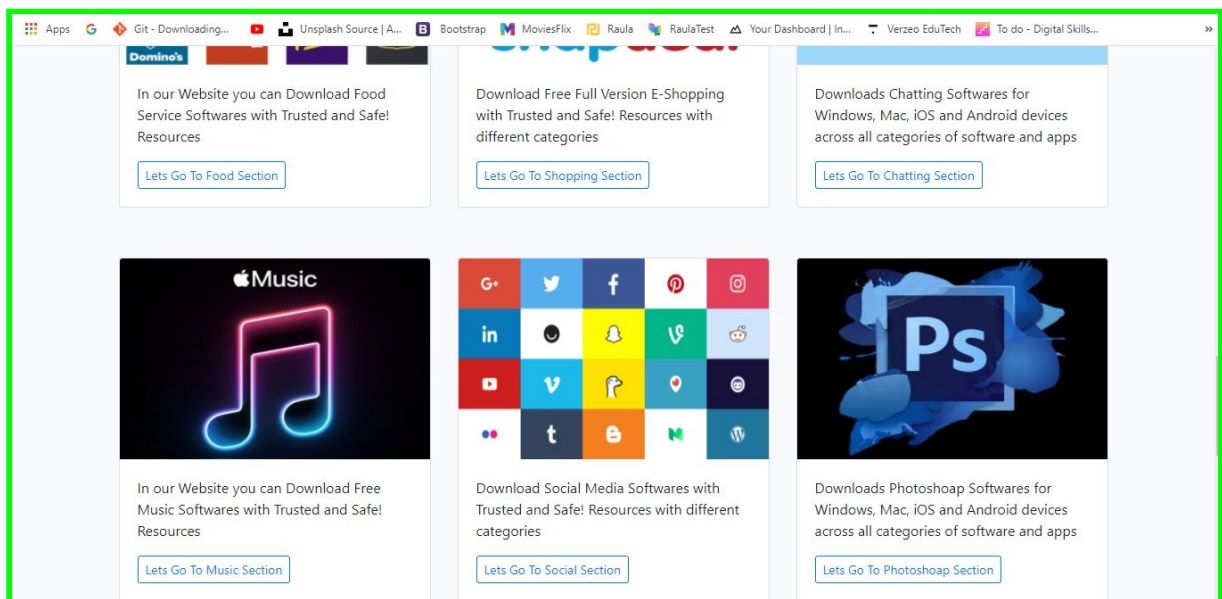
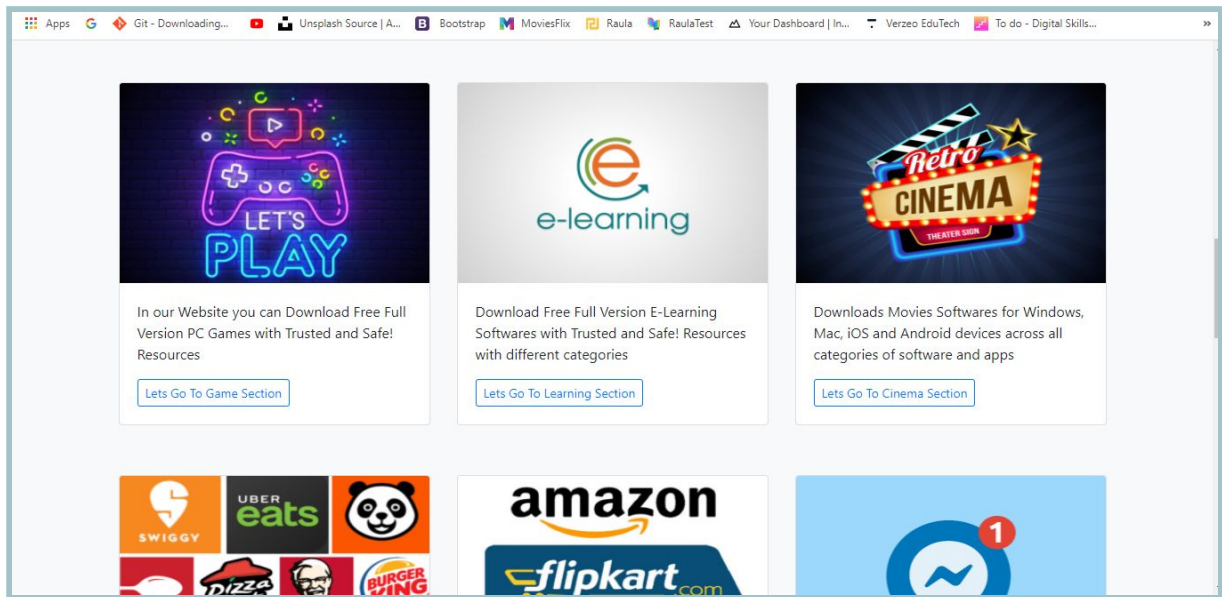
#### 3.2 Usecase Diagram

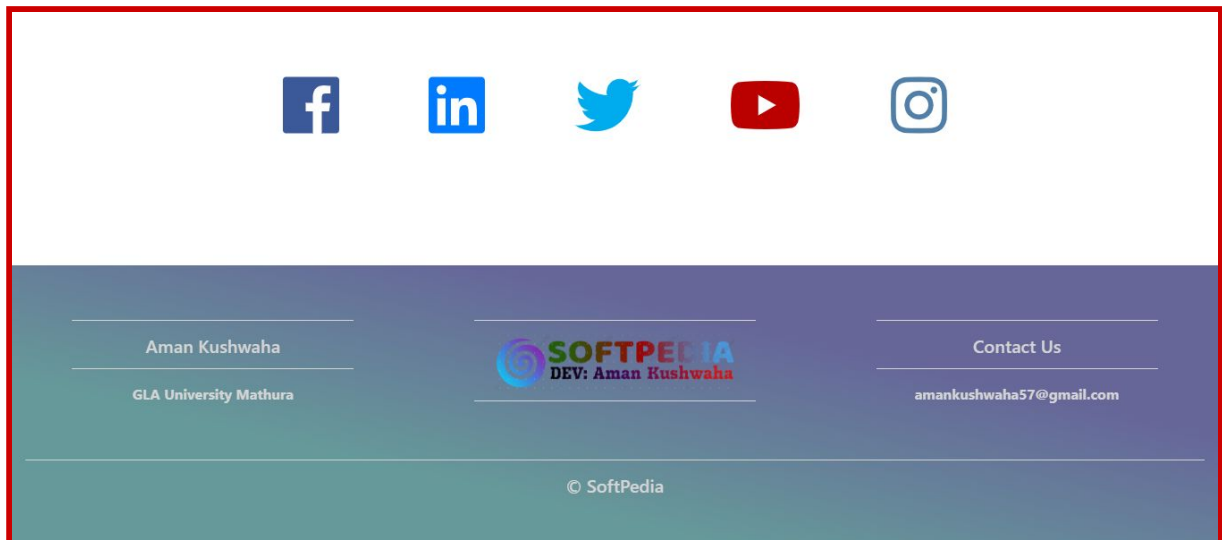


## 4.Implementation and User Interface

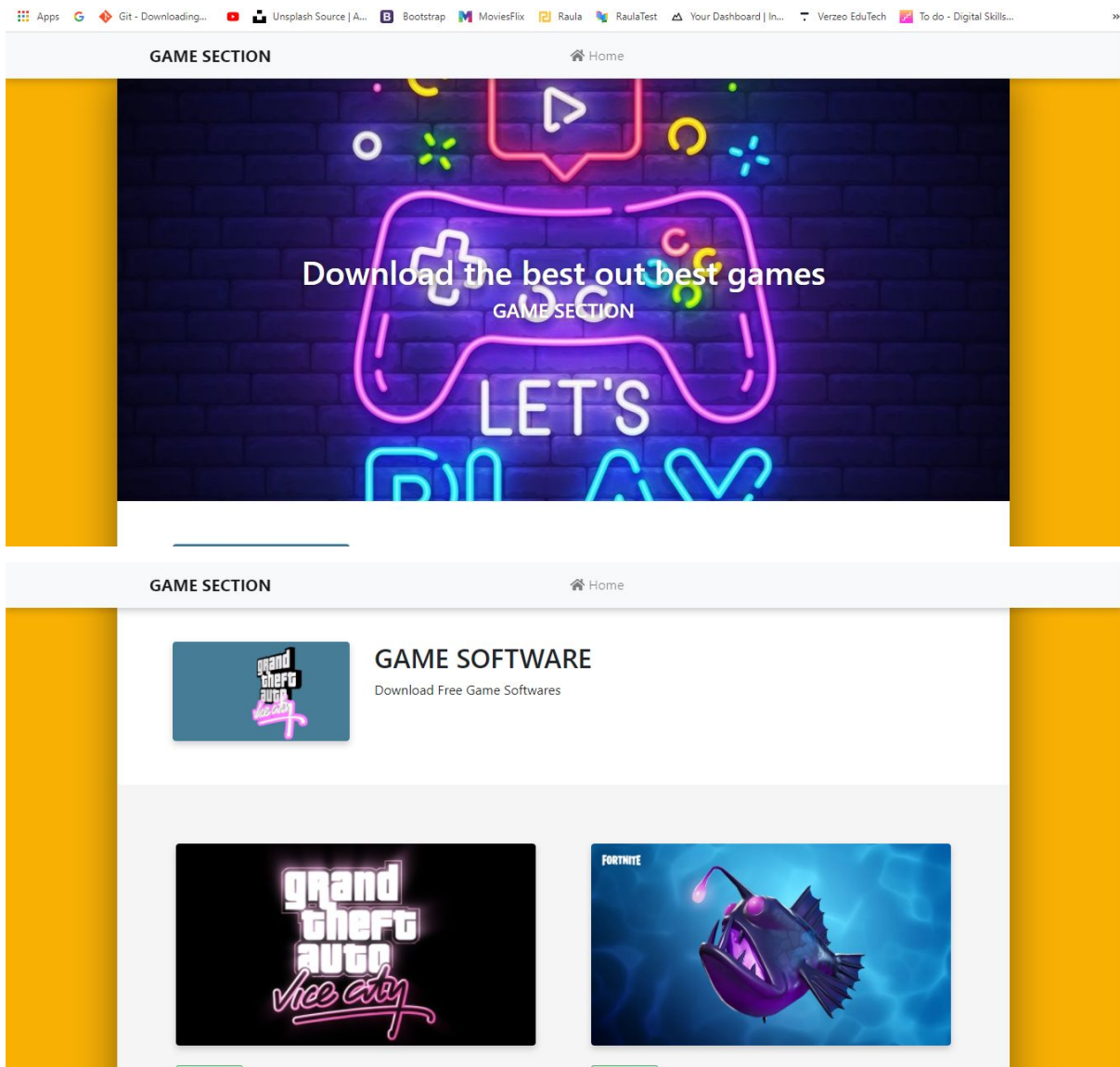
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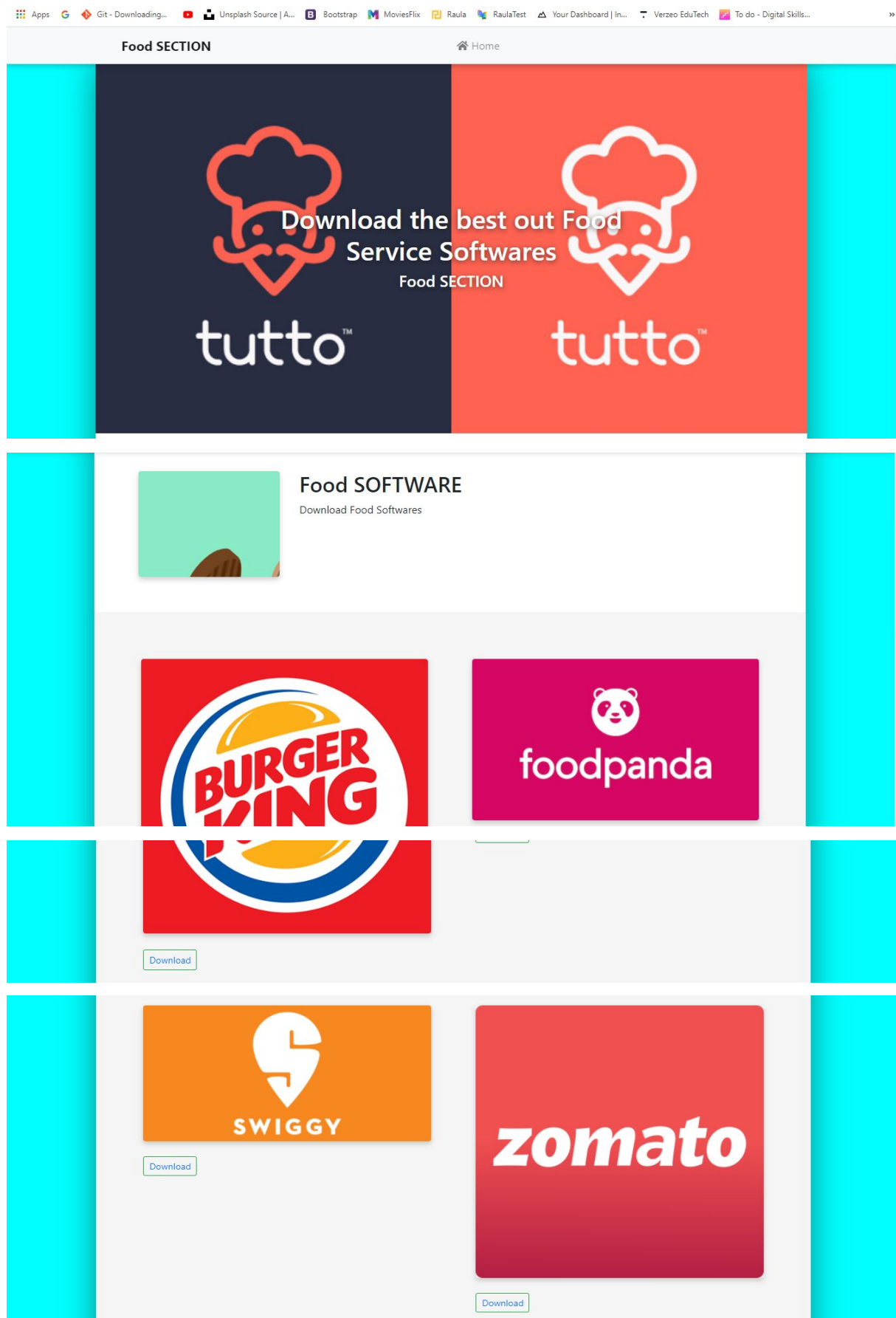
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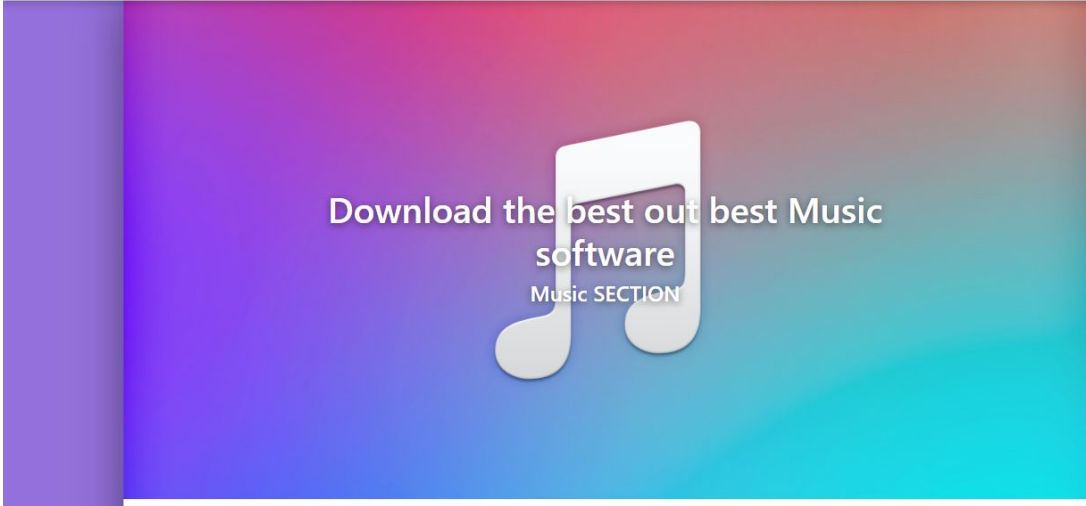
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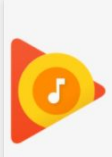
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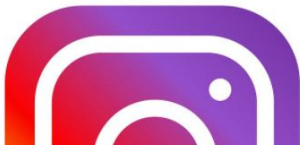
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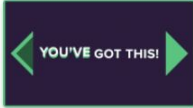
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## K.Our Mission Section:

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We are Building the base product of our softpedia where user will get best out of best Softwares


— Aman Kushwaha




### Our Mission

Our Website softpedia provides the best software of different different categories, so user have no need to worry about how to find it from unknown sites each and every software related to differnt category will already uploaded in our portal so user can directly access the softwares of our website.


### Our Services



Android Application




Desktop Softwares



Mac Softwares


### Our Mission

Our Website is a values-driven site. Our values guide the perspective of the organization as well as our actions.




#### Best Softwares

We the responsibility to give excellent services to the customers by providing the softwares




#### Easy Access

SoftPedia is extremely diligent in customer satisfaction. We carefully look for our customer needs and requirements.



#### Time Saving

user have no need search best softwares from different websites everything is available on our




#### Integrity

SoftPedia have the highest personal integrity and we are keen to preserve our integrity.

Aman Kushwaha

GLA University Mathura



Contact Us

amankushwaha57@gmail.com

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## Our Services


My Website Softpedia is a front end static website where users can download the best softwares of MAC,windows and android. every software is categorized into subcategory from where everyone can access the content of this website. My is just to provide best quality content to the users so user have no need to worry about which software is best for their category. user have just navigate their category and all the related software of their cartegory will be appear on that page Our Website is the major download portal that doesn't wrap software packages/installers and provides them exactly as the developers offer them i have developed this website within 4 months. in our website there is no need to purchase any software . whatever we have provided here is free of cost.

## The Worth of our Softwares

 Superior Quality


 Fully Functional

 Convenience

 Absolutely Reliable

Aman Kushwaha

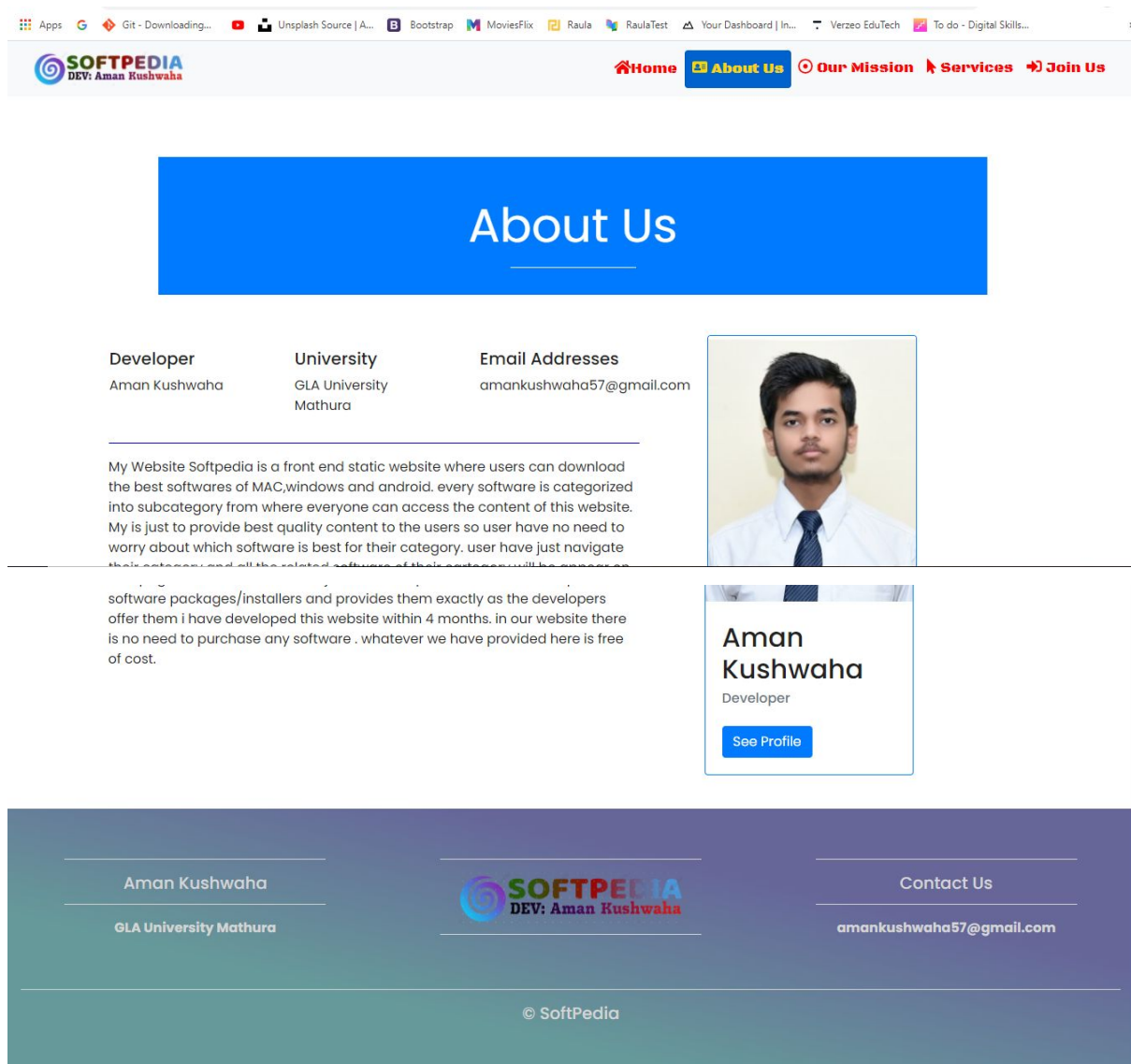
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Contact Us

amankushwaha57@gmail.com

## M. About Us:



## 5. Software Testing

The software developed in the Academic Earth project is integrated with the hardware testing environment and the system was tested. Integration tests were carried out in two phases, Client test scenarios written in the first phase were executed and Mongo DB test scenarios failed as a result 3 out of 100. The success rate in the first phase was determined as 99.79%.

**Test Environment:** The errors that appeared in the first phase were corrected and the second phase was passed. In the second phase, a re-test was performed to check whether the errors in the first phase were removed. No problems were encountered in this confirmation test conducted in the second phase, and the success rate of the tests was determined as 100%.



Module	Total Tests Scenarios	Successful Test Scenarios	Failed Test Scenarios
Client Side	100	97	3

## 6. Conclusion

It will be a wonderful learning experience for me while working on this project. I decided to work on this project because I want to promote quality web experience with our application.

I have made a good interactive User Interface so that the user will not face any difficulty while using our application.

During the development of this project I have learned different skills like –

How to work under pressure.

Knowledge of new technologies

My project is completed but I will continuously try to make it more reliable, secure and add more features.

## 7. Summary

My Website Softpedia is a front end static website where users can download the best softwares of MAC, windows and android. Every software is categorized into subcategory from where everyone can access the content of this website. My is just to provide best quality content to the users so user have no need to worry about which software is best for their category. User have just navigate their category and all the related software of their category will be appear on that page. Our Website is the major download portal that doesn't wrap software packages/installers and provides them exactly as the developers offer them. I have developed this website within 4 months. In our website there is no need to purchase any software. Whatever we have provided here is free of cost.

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