

DIGITAL OUTDOOR ADVERTISING

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OBJECTIVE:

The purpose of this project is to provide a peer-to-peer advertising network and content management system that connects owners of public displays with brands. Managed through an easy to use web application. This platform empowers everyone to become an advertiser, regardless of budget, resource or company size.

Software/Hardware Requirements

- Front End:
 - Programming Language: PHP , CSS , HTML
 - Frameworks(if any):
 - Builders(if any):
- Back End:
 - Name of the Database:SQLite
 - Version:3.30.1

Interface Requirements

SOFTWARE INTERFACE:

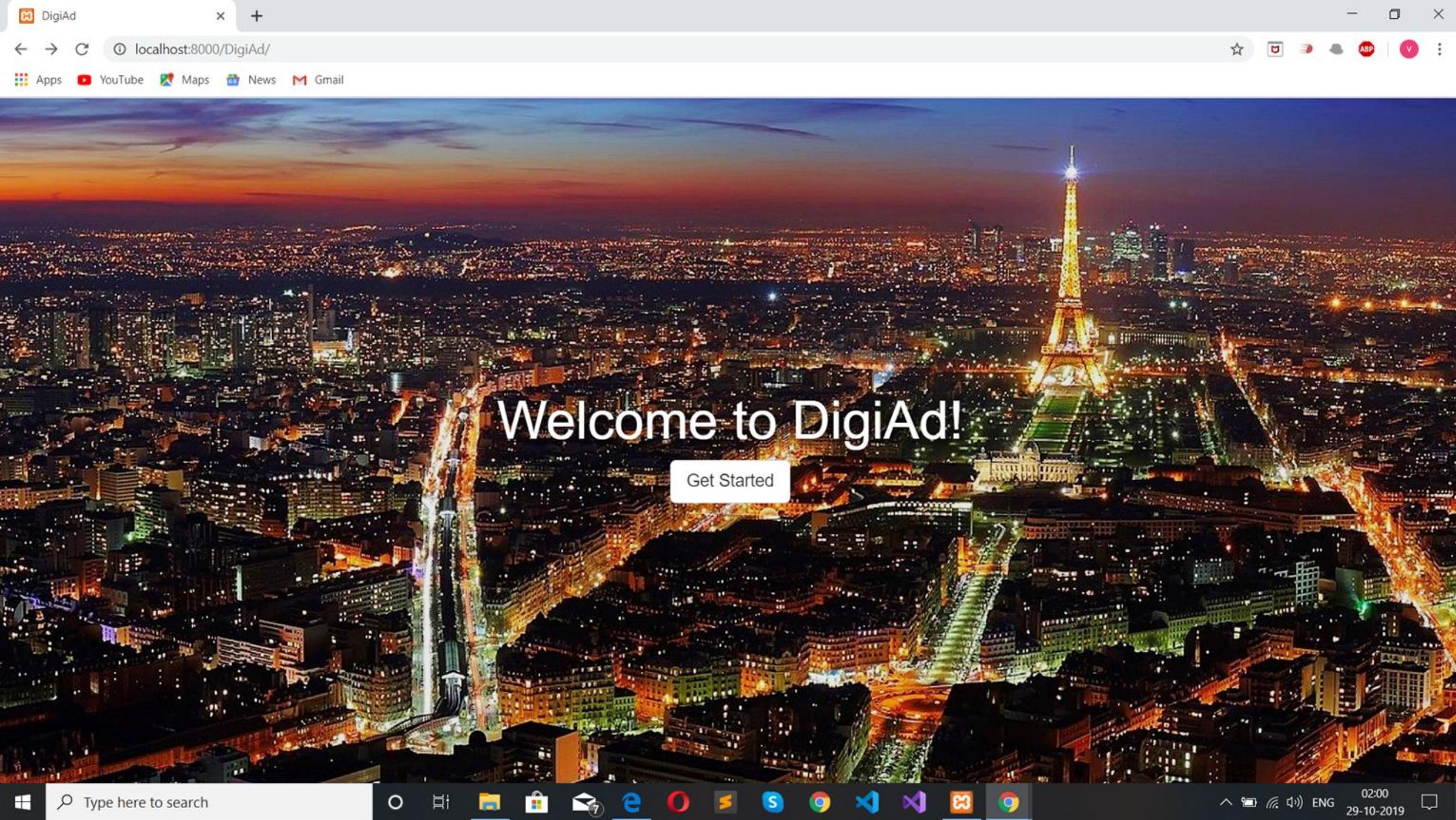
- Windows 7 or windows 10 operating system serves as a platform for development and deployment of the College Management system software.
- The software is based on application interface. The Digital Outdoor Advertising application will interact with the Database of SQLite with regard to user verification and information retrieval.

HARDWARE INTERFACE:

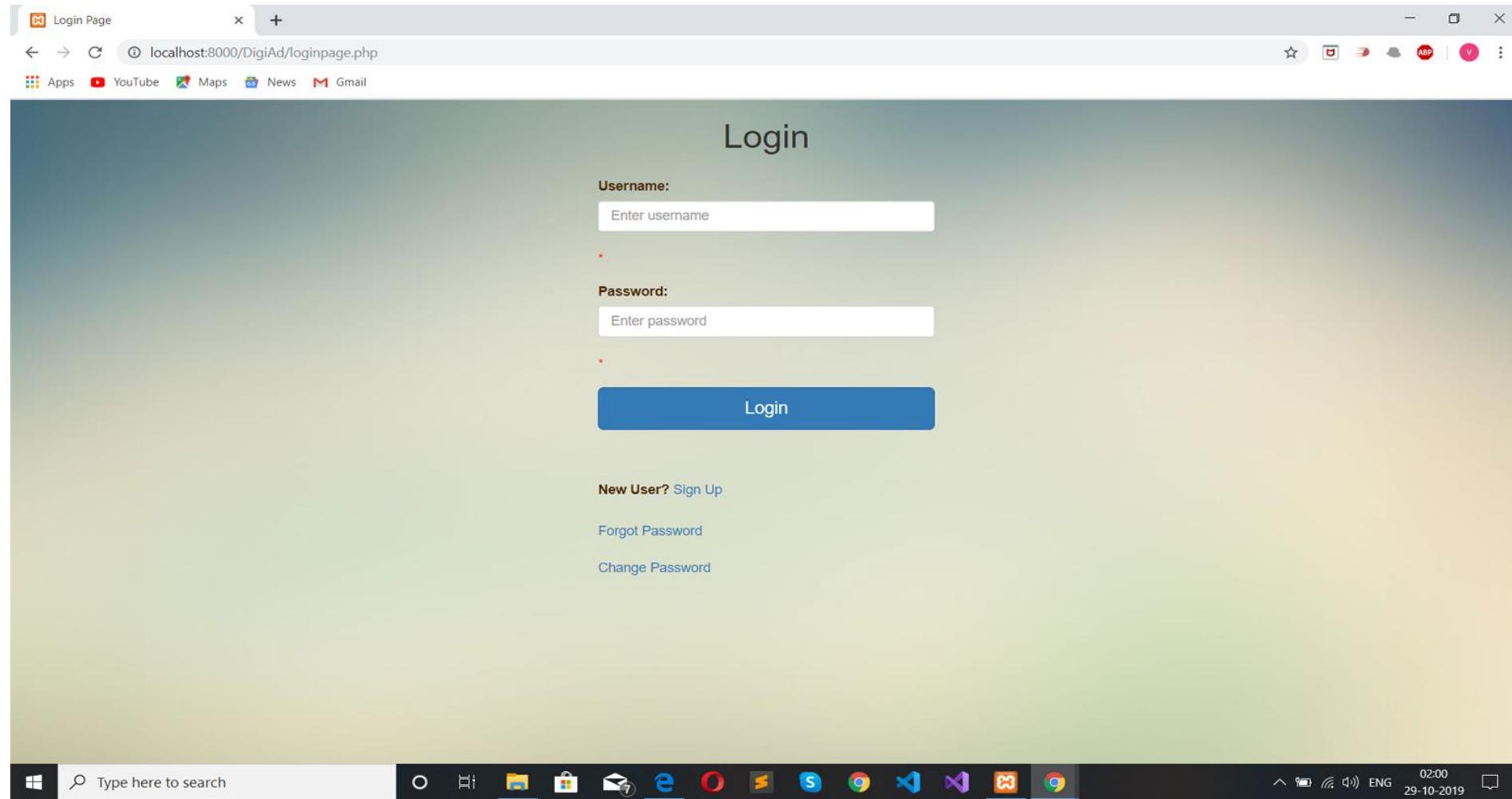
- This software does not require any direct hardware interfaces.

List of Modules identified

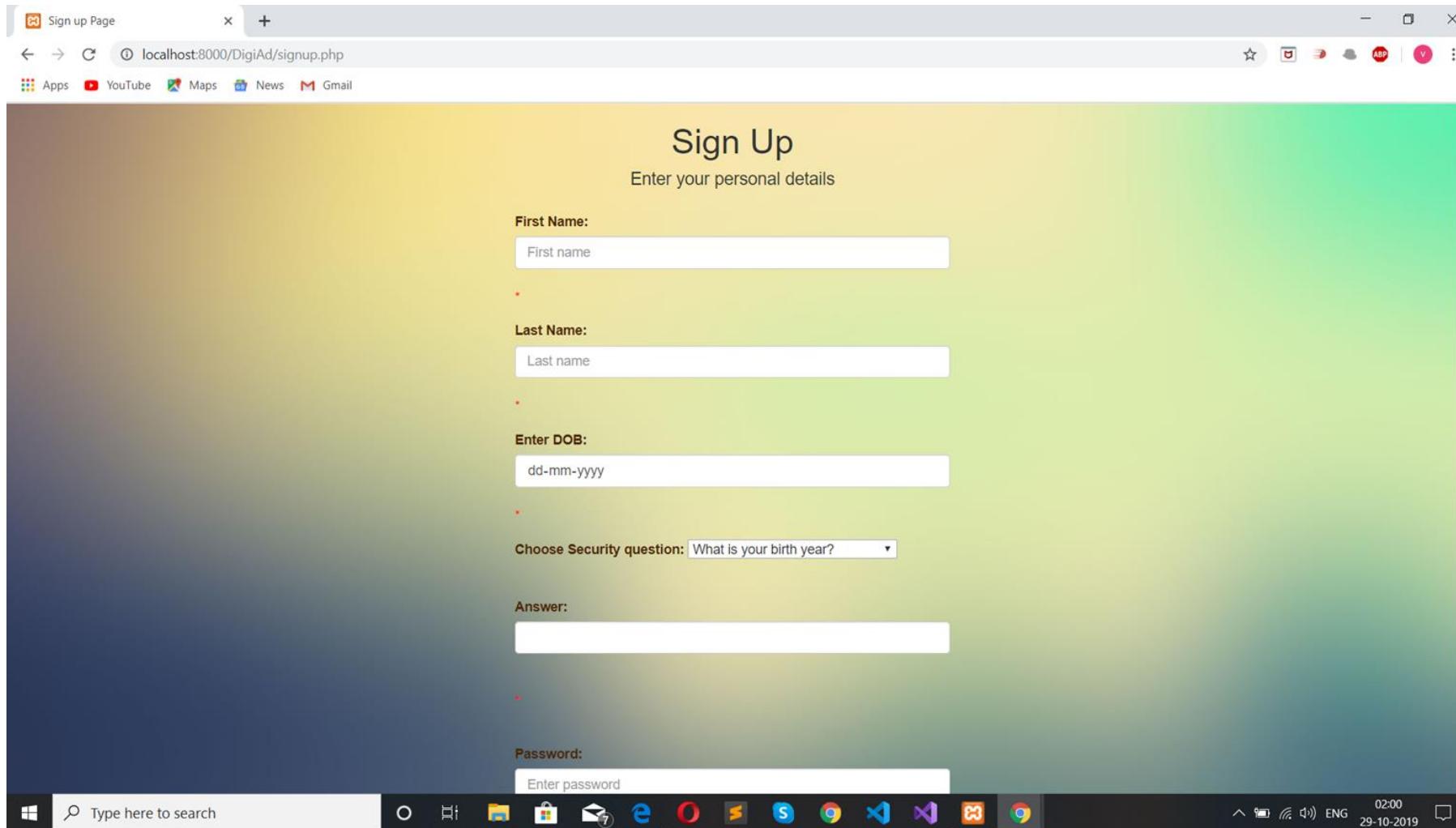
- Module 1: Login Module (User & Administrator)
- Module 2: Slot Checking Module
- Module 3: Slot Booking Module
- Module 4: Verification Module
- Module 5: Assigning Module



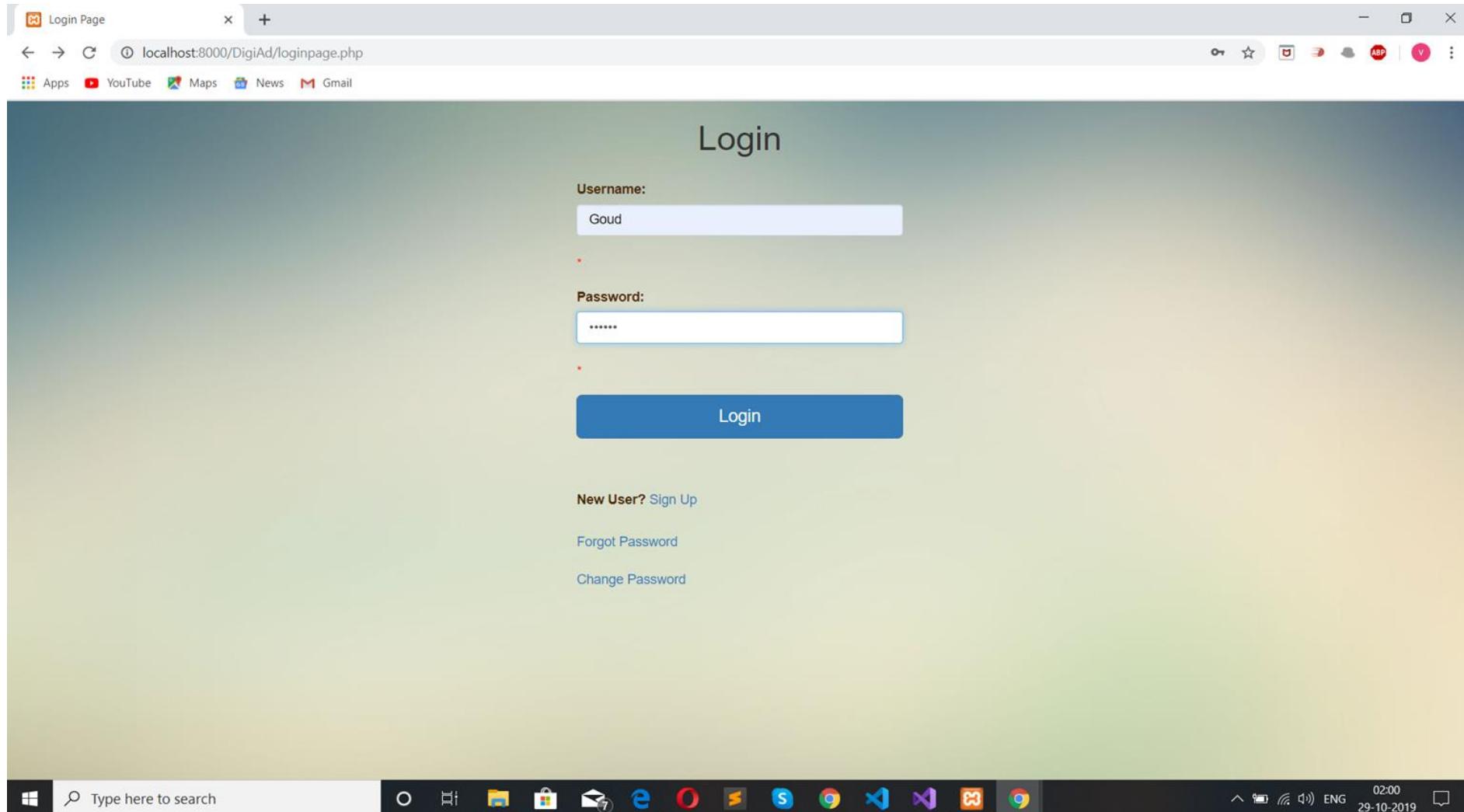
Login Page:



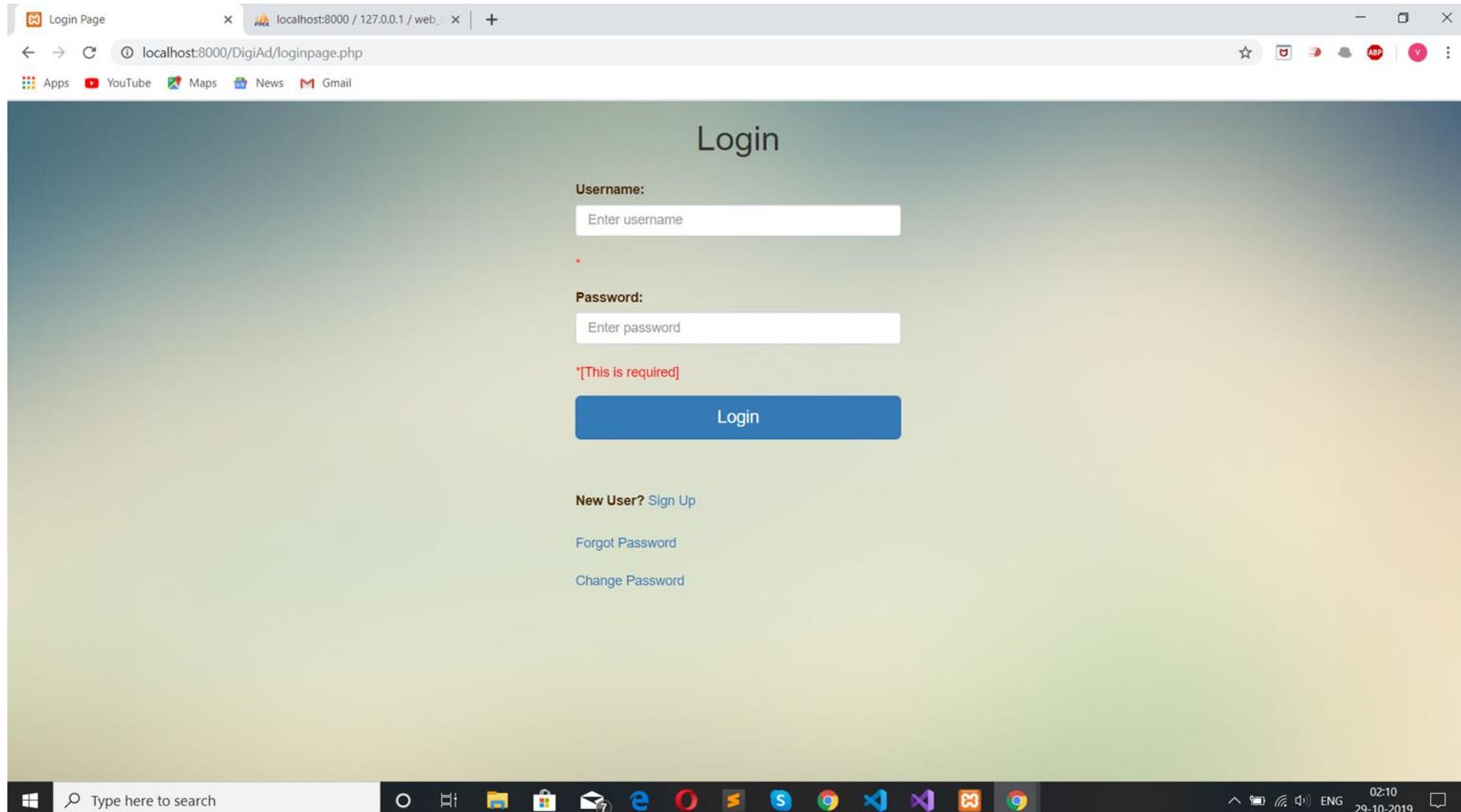
REGISTERING A NEW USER ACCOUNT:



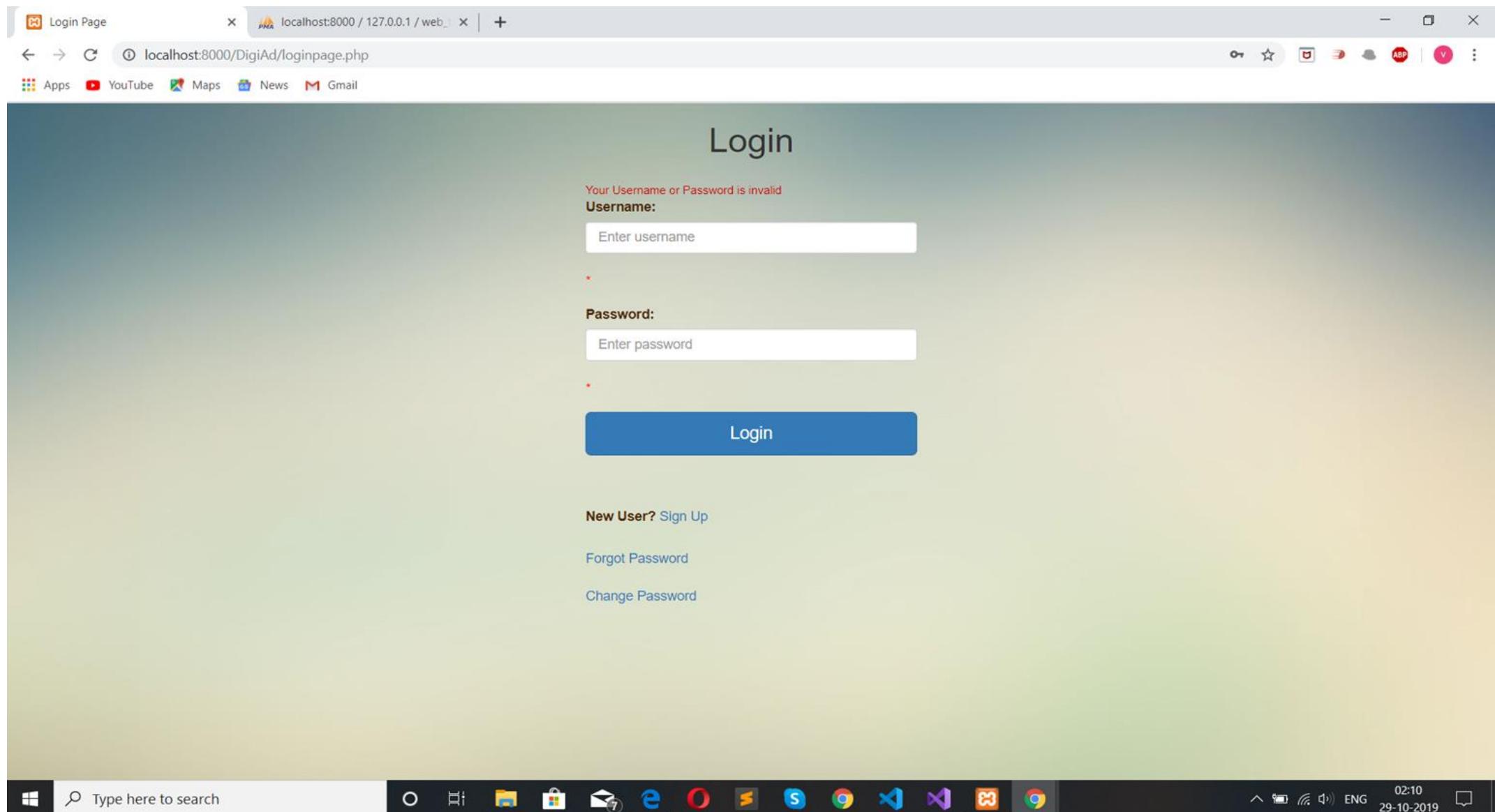
ACTIVITY FLOW IF SIGNED IN AS USER:



ACTIVITY FLOW IF REQUIRED FIELDS ARE NOT ENTERED:



ACTIVITY FLOW IF USERNAME or PASSWORD is INVALID:



ACTIVITY FLOW IF SIGNED IN AS USER: (HOME PAGE)

The screenshot shows a web browser window titled "DigiAd" with the URL "localhost:8000/DigiAd/home.php?user=Goud". The page has a dark background featuring a collage of various billboards and cityscapes. At the top left is the "DigiAd." logo. On the right side, there is a location pin icon with the text "34 Street Jubilee Hills, Hyderabad, India" and a clock icon with the text "Sunday - Friday 8:00AM - 4:00PM Saturday CLOSED". Below the header is a navigation bar with links for "Home", "Book a Slot", "Status", and "Logout". A welcome message "Hi Goud. Welcome Back!!!!" is displayed in a green box. The main content area features the text "Digital Outdoor Advertising Agency" and a subtext about the platform's empowerment of advertisers. A "ABOUT US" button is visible at the bottom left. The bottom of the screen shows the Windows taskbar with various pinned icons and a search bar.

DigiAd

localhost:8000/DigiAd/home.php?user=Goud

Home Book a Slot Status Logout

Hi Goud. Welcome Back!!!!

Digital Outdoor Advertising Agency

This platform empowers everyone to become an advertiser, regardless of budget, resource or company size.

ABOUT US

Type here to search

02:00 ENG 29-10-2019

ACTIVITY FLOW IF SIGNED IN AS USER: (BOOKING AVAILABLE SLOTS)

The screenshot shows a web browser window titled "DigiAd" displaying a booking interface. The URL in the address bar is "localhost:8000/DigiAd/booksloactual.php#". The page features a large background image of two people's shoulders and hair. A red button labeled "SHOW AVAILABLE SLOTS" is visible. Below it is a table listing five available slots:

#	Time	Date	Place	Action
6	16:00 to 17:00	2nd November 2019	NYC TimeSquare	BOOK
7	17:00 to 18:00	2nd nov 2019	Hyderabad	BOOK
8	14:00 to 18:00	23rd November 2019	Area 51 Highway	BOOK
9	18:00 to 20:00	2nd November 2019	HYD to VJA Highway	BOOK

At the bottom of the browser window, there is a search bar with the text "localhost:8000/DigiAd/uploaddetails.php?sid=6", a taskbar with various icons, and a system tray showing the date and time as "29-10-2019 02:01".

ACTIVITY FLOW IF SIGNED IN AS USER: (UPLOADING VIDEO AND ITS DESCRIPTION)

The screenshot shows a web browser window titled "DigiAd" with the URL "localhost:8000/DigiAd/uploaddetails.php?sid=6". The page has a header with links to "Apps", "YouTube", "Maps", "News", and "Gmail". The main content area is titled "Upload Video Details" and contains a sub-instruction: "Please enter the Video description and upload video which you want to advertise". On the left, there is a large text input field labeled "Description of Video" and a file upload button labeled "Choose File" with the message "No file chosen". At the bottom of this section is a red "SUBMIT DETAILS" button. To the right, there is a "Contact Info" section containing address, phone, and email details.

Upload Video Details

Please enter the Video description and upload video which you want to advertise

Description of Video

Choose File No file chosen

SUBMIT DETAILS

Contact Info

Address:
34 Street Jubilee Hills, Hyderabad,
India

Phone:
+91 9876543210

Email:
digiad@gmail.com

Type here to search

02:01
29-10-2019

ACTIVITY FLOW IF SIGNED IN AS USER: (UPLOADING VIDEO AND ITS DESCRIPTION)

The screenshot shows a web browser window titled "DigiAd" with the URL "localhost:8000/DigiAd/uploaddetails.php?sid=8". The page is titled "Upload Video Details" and contains instructions: "Please enter the Video description and upload video which you want to advertise". On the left, there is a text area containing "Hi this is iz juice video" and a file input field showing "Choose File izjuice.mp4". A large red button at the bottom is labeled "SUBMIT DETAILS". On the right, there is a "Contact Info" section with address, phone, and email details.

DigiAd

localhost:8000/DigiAd/uploaddetails.php?sid=8

Upload Video Details

Please enter the Video description and upload video which you want to advertise

Hi this is iz juice video

Choose File izjuice.mp4

SUBMIT DETAILS

Contact Info

Address:
34 Street Jubilee Hills, Hyderabad,
India

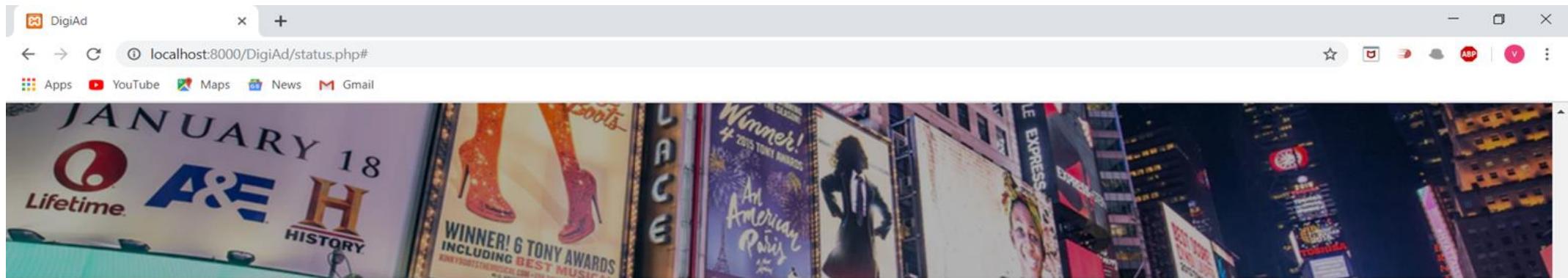
Phone:
+91 9876543210

Email:
digiad@gmail.com

Type here to search

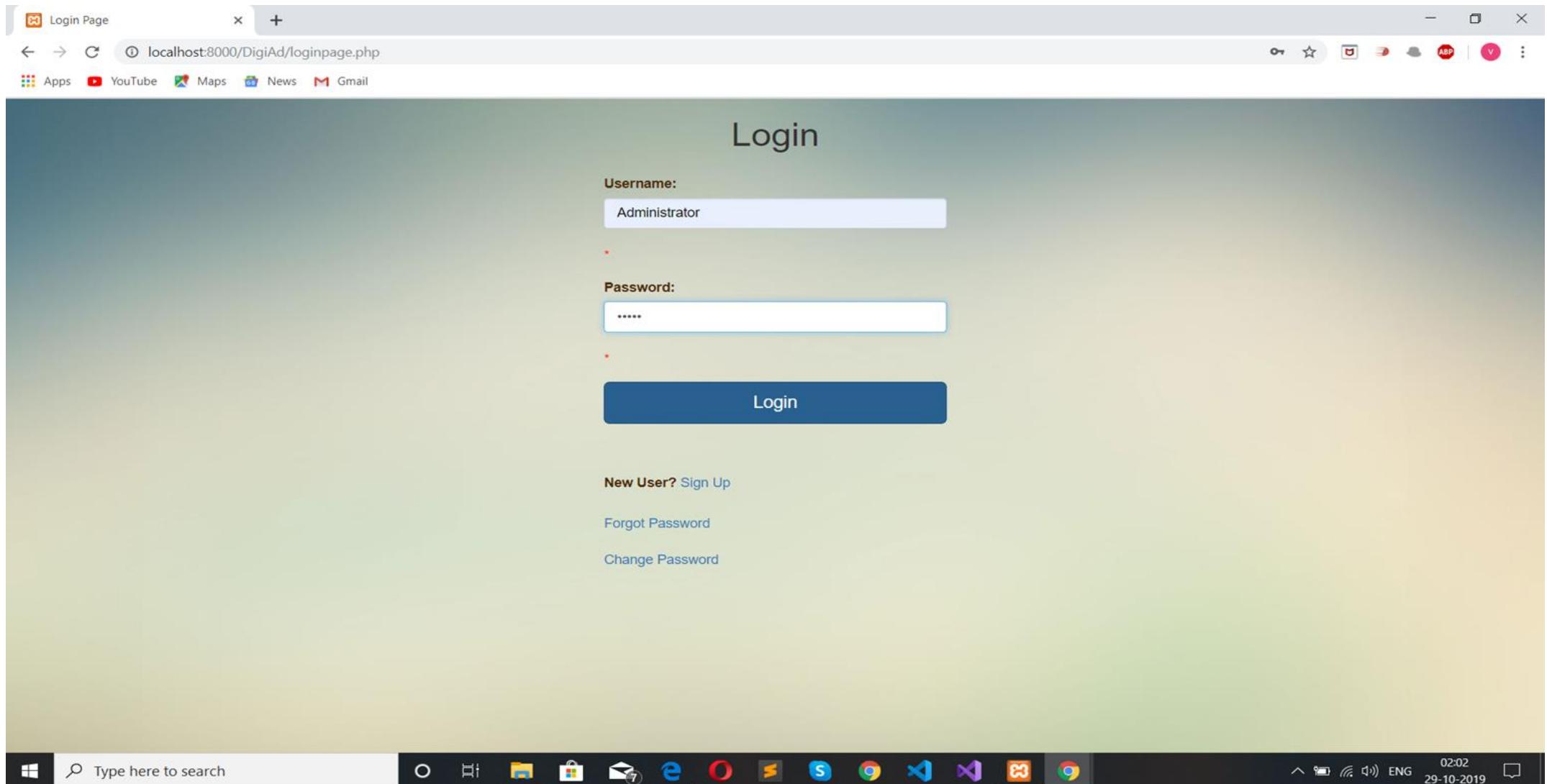
02:01
29-10-2019

ACTIVITY FLOW IF SIGNED IN AS USER: (TRACKING THE REQUESTED SLOTS WHETHER APPROVED OR NOT)



TRACK					
#	Username	Time	Date	Place	Approval
6	Goud	16:00 to 17:00	2nd November 2019	NYC TimeSquare	Approved <button>PAY</button>
7	Goud	17:00 to 18:00	2nd nov 2019	Hyderabad	Waiting for the Approval
8	Goud	14:00 to 18:00	23rd November 2019	Area 51 Highway	Waiting for the Approval

IF SIGNED IN AS ADMIN:



IF SIGNED IN AS ADMIN : (CHANGE SLOTS)

Slot Details [Add New Slot](#)

#	Time	Date	Place	Action
6	16:00 to 17:00	2nd November 2019	NYC TimeSquare	Read Update Delete
7	17:00 to 18:00	2nd nov 2019	Hyderabad	Read Update Delete
8	14:00 to 18:00	23rd November 2019	Area 51 Highway	Read Update Delete
9	18:00 to 20:00	2nd November 2019	HYD to VJA Highway	Read Update Delete

IF SIGNED IN AS ADMIN: (UPDATE/MODIFY SLOT)

The screenshot shows a web browser window titled "Update Slot" with the URL "localhost:8000/DigiAd/update.php?sid=6". The page content is a form titled "Update Slot" with the sub-instruction "Edit the input to update the Slot." It contains three input fields: "Time" (set to "16:00 to 17:00"), "Date" (set to "2nd November 2019"), and "Place" (set to "NYC TimeSquare"). At the bottom are "Submit" and "Cancel" buttons. The browser's toolbar and taskbar are visible at the top and bottom respectively.

Update Slot

localhost:8000/DigiAd/update.php?sid=6

Apps YouTube Maps News Gmail

Update Slot

Edit the input to update the Slot.

Time

16:00 to 17:00

Date

2nd November 2019

Place

NYC TimeSquare

Submit Cancel

Type here to search

02:02 ENG 29-10-2019

IF SIGNED IN AS ADMIN: (APPROVE OR REJECT REQUESTED SLOTS)

The screenshot shows a web browser window titled "DigiAd" with the URL "localhost:8000/DigiAd/bookedslots.php#". The page displays a table of booked slots for digital outdoor advertisements. The table has columns: #, Username, Time, Date, Place, Action, and Client Details.

#	Username	Time	Date	Place	Action	Client Details
7	Goud	17:00 to 18:00	2nd nov 2019	Hyderabad	ACCEPT REJECT	CLNT DETAILS
8	Goud	14:00 to 18:00	23rd November 2019	Area 51 Highway	ACCEPT REJECT	CLNT DETAILS



Type here to search



02:03
ENG
29-10-2019

IF SIGNED IN AS ADMIN: (ACCEPTED SLOT)

Digital Outdoor Advertisement

Approve/Reject Slots

SHOW REQUESTED

#	Username	Time	Date	Place	Action	Client Details
7	Goud	17:00 to 18:00	2nd nov 2019	Hyderabad	<button>ACCEPT</button> <button>REJECT</button>	<button>CLNT DETAILS</button>
8	Goud	14:00 to 18:00	23rd November 2019	Area 51 Highway	<button>ACCEPT</button> <button>REJECT</button>	<button>CLNT DETAILS</button>



Type here to search



02:03 ENG 29-10-2019

IF SIGNED IN AS ADMIN: (CLIENT AND VIDEO USER DETAILS)

The screenshot shows a web browser window titled "DigiAd" displaying a video player and client details. The video player shows a colorful drink with a straw, with the progress bar at 0:05 / 0:10. To the right, a sidebar titled "Client Details" lists the client's name, email, contact number, and date of birth.

Client and Video Details

0:05 / 0:10

Client Details

Name:
Goud

E-mail:
vishal.goud@vitap.ac.in

Contact No:
1234567689

Date of Birth: 2000-01-04

localhost:8000/DigiAd/viewvideo.php?vid=29

Type here to search

29-10-2019 02:03 ENG

Digital Outdoor Advertisement

Approve/Reject Slots

[SHOW REQUESTED](#)

#	Username	Time	Date	Place	Action	Client Details
7	Goud	17:00 to 18:00	2nd nov 2019	Hyderabad	ACCEPT REJECT	CLNT DETAILS
8	Goud	14:00 to 18:00	23rd November 2019	Area 51 Highway	ACCEPT REJECT	CLNT DETAILS

Digital Outdoor Advertisement

Approve/Reject Slots

SHOW REQUESTED

#	Username	Time	Date	Place	Action	Client Details
7	Goud	17:00 to 18:00	2nd nov 2019	Hyderabad	ACCEPT REJECT	CLNT DETAILS
8	Goud	14:00 to 18:00	23rd November 2019	Area 51 Highway	ACCEPT REJECT	CLNT DETAILS

Slot Details

[Add New Slot](#)

#	Time	Date	Place	Action
6	16:00 to 17:00	2nd November 2019	NYC TimeSquare	Read Update Delete
7	17:00 to 18:00	2nd nov 2019	Hyderabad	Read Update Delete
8	14:00 to 18:00	23rd November 2019	Area 51 Highway	Read Update Delete
10	18:00 to 20:00	2nd November 2019	HYD to VJA Highway	Read Update Delete

phpMyAdmin: (DATABASE)

The screenshot shows the phpMyAdmin interface running in a browser window. The URL in the address bar is `localhost:8000/phpmyadmin/db_structure.php?server=1&db=web_tech`. The browser's toolbar includes icons for Change Slots, Back, Forward, Stop, Refresh, Home, and various links like Apps, YouTube, Maps, News, and Gmail.

The main phpMyAdmin header includes tabs for Structure, SQL, Search, Query, Export, Import, Operations, Privileges, Routines, Events, Triggers, Tracking, and More. The current view is the Structure tab for the `web_tech` database.

The left sidebar displays a tree view of databases and tables:

- New
- information_schema
- mysql
- performance_schema
- phpmyadmin
- test
- web_tech
 - New
 - login
 - slot_info
 - user_details
 - video_details

The main content area shows a table of four tables in the `web_tech` database:

Table	Action	Rows	Type	Collation	Size	Overhead
login	Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
slot_info	Browse Structure Search Insert Empty Drop	4	InnoDB	latin1_swedish_ci	16 KiB	-
user_details	Browse Structure Search Insert Empty Drop	9	InnoDB	latin1_swedish_ci	32 KiB	-
video_details	Browse Structure Search Insert Empty Drop	5	InnoDB	latin1_swedish_ci	48 KiB	-
4 tables	Sum	18	InnoDB	latin1_swedish_ci	112 KiB	0 B

Below the table, there are buttons for Check all and With selected:, and links for Print and Data dictionary. A Create table form is also present, with fields for Name (empty) and Number of columns (4).

The bottom of the screen shows the Windows taskbar with the Start button, a search bar, and various pinned application icons. The system tray shows the date and time as 02:06 29-10-2019.

SLOT INFO TABLE

The screenshot shows the phpMyAdmin interface for a MySQL database named 'web_tech'. The left sidebar lists databases (information_schema, mysql, performance_schema, phpmyadmin, test, web_tech) and tables (New, login, slot_info, user_details, video_details). The 'slot_info' table is selected, displaying the following data:

sid	time	date	place
6	16:00 to 17:00	2nd November 2019	NYC TimeSquare
7	17:00 to 18:00	2nd nov 2019	Hyderabad
8	14:00 to 18:00	23rd November 2019	Area 51 Highway
10	18:00 to 20:00	2nd November 2019	HYD to VJA Highway

Below the table, there are buttons for 'Edit', 'Copy', and 'Delete' for each row. The interface includes tabs for 'Browse', 'Structure', 'SQL', 'Search', 'Insert', 'Export', 'Import', 'Privileges', 'Operations', 'Tracking', and 'Triggers'. A 'Query results operations' section at the bottom provides options like 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'. A 'Bookmark this SQL query' section allows users to save the current query with a label.

USER DETAILS TABLE:

The screenshot shows the phpMyAdmin interface for a database named 'web_tech'. The left sidebar lists databases like 'information_schema', 'mysql', 'performance_schema', 'phpmyadmin', 'test', and 'web_tech'. Under 'web_tech', there are tables: 'New', 'login', 'slot_info', 'user_details' (which is selected), and 'video_details'. The main area displays the 'user_details' table with the following data:

	username	password	firstname	lastname	sec_ques	sec_ans	dob	email	num
Edit Copy Delete	Administrator	admin	Administrator	Administrator	What is your favourite place?	Hyderabad	2000-01-04	NULL	NULL
Edit Copy Delete	aswdfg	vita	sadfhg	aswdfg	What is your favourite number?	9	2018-02-02	yada.kushal@vitap.ac.in	9874563210
Edit Copy Delete	Goud	vishal	Vishal Goud	Goud	What is your favourite number?	8	2000-01-04	vishal.goud@vitap.ac.in	1234567689
Edit Copy Delete	Karthikeyan	vishal	Samithan	Karthikeyan	What is your favourite number?	8	2005-10-03	balukarupakuli@gmail.com	9874561230
Edit Copy Delete	Kushal	vitap	Yada	Kushal	What is your favourite number?	8	2016-02-02	yada.kushal@vitap.ac.in	9874563210
Edit Copy Delete	POTNURU	123456	JHANSI KUMAR	POTNURU	What is your favourite number?	7	2019-09-18	NULL	NULL
Edit Copy Delete	Saikiran	saikiran	Gudepu	Saikiran	What is your favourite number?	7	2000-01-02	g.saikiran@vitap.ac.in	9398544915
Edit Copy Delete	SDFGH	vitv	ASDFGB	SDFGH	What is your favourite number?	3	2020-02-03	balukarupakuli@gmail.com	9874563210
Edit Copy Delete	Start	jarvis	Tony	Start	What is your favourite number?	4	1996-03-03	tonystark.jarvis@gmail.com	7894561230

Below the table, there are buttons for 'Check all', 'With selected:', and operations like 'Edit', 'Copy', 'Delete', 'Export'. At the bottom, there are links for 'Query results operations' such as 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'. The status bar at the bottom shows the date and time.

VIDEO DETAILS TABLE:

The screenshot shows the phpMyAdmin interface for a MySQL database named 'web_tech'. The left sidebar lists databases: information_schema, mysql, performance_schema, phpmyadmin, test, and web_tech. Under 'web_tech', there are tables: New, login, slot_info, user_details, and video_details. The 'video_details' table is selected. The main area displays the table structure and data.

Table Structure:

vid_id	username	filename	file_extension	vid_desc	approval	s_id
26	Goud	2	mp4	Hello	0	7
29	Goud	5	mp4	Hi this is iz juice video	0	8
25	Goud	1	mp4	hi	1	6
27	Karthikeyan	3	mp4	rabbit	1	6
28	Karthikeyan	4	mp4	How are you my friend	1	7

Query results operations:

- Print
- Copy to clipboard
- Export
- Display chart
- Create view

Bookmark this SQL query:

Label: Let every user access this bookmark

Bookmark this SQL query

Console

localhost:8000 / 127.0.0.1 / web_tech / video_details

Change Slots

localhost:8000/phpmyadmin/sql.php?db=web_tech&table=video_details&pos=0

Apps YouTube Maps News Gmail

phpMyAdmin

Server: 127.0.0.1 > Database: web_tech > Table: video_details

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Query took 0.0009 seconds. [approval: 0... - 1...]

SELECT * FROM `video_details` ORDER BY `approval` ASC

CONCLUSION AND FUTURE PLANS:

- The main aspect behind Digital Outdoor Advertising is that it enabled us to bring out the new ideas that were sustained within us. This application offers the user to advertise their Product(or idea) easily and the content verification of the advertisement is personally checked by the Administrator of the application.
- We have planned to add new technologies such as AR Reality and Trail Samples in future to this project.

TESTING

- Testing Logic/Code writing

We are using **SELENIUM** for testing our modules:

S. No	Test Case	Conditions	Results
1.	User Name	a. User Name is CASE_SENSITIVE can take Characters numerical and symbols b. It shouldn't take spaces into it, it shouldn't be empty	a. Test case Passed b. Test case failed
2.	Password	a. password should be valid b. It shouldn't take spaces into it, it shouldn't be empty	a. Test case Passed b. Test case failed

Login Test – User (Valid Credentials):

The screenshot displays the Selenium IDE interface with a test case for a user login. The left pane shows a screenshot of a login page with fields for Username and Password, and a central "Login" button. The right pane shows the test script code, execution details, and a log of test steps.

Selenium IDE - User Login testcase*

Project: User Login testcase*

Executing: User Login *

http://localhost:8000

Command	Target	Value
1 open	/DigiAd/loginpage.php	
2 set window size	1536x824	
3 click	name=username	
4 type	name=username	Goud
5 click	name=pwd	
6 type	name=pwd	vishal
7 send keys	name=pwd	\$(KEY_ENTER)
8 click	linkText=Logout	

Runs: 1 Failures: 0

Log Reference

- 3. click on name=username OK 11:14:25
- 4. type on name=username with value Goud OK 11:14:25
- 5. click on name=pwd OK 11:14:25
- 6. type on name=pwd with value vishal OK 11:14:25
- 7. sendKeys on name=pwd with value \$(KEY_ENTER) OK 11:14:26
- 8. click on linkText=Logout OK 11:14:26

'User Login' completed successfully 11:14:27

Type here to search

11:14 29-10-2019 ENG

Login Test – Admin (Valid Credentials):

The screenshot displays a Windows desktop environment with several open windows. In the center is the Selenium IDE interface, titled "Selenium IDE - Admin Login Testcase*". The project name is "Admin Login Testcase*". The status bar indicates "Executing" and shows the URL "http://localhost:8000". The main area of the IDE shows a table of test steps:

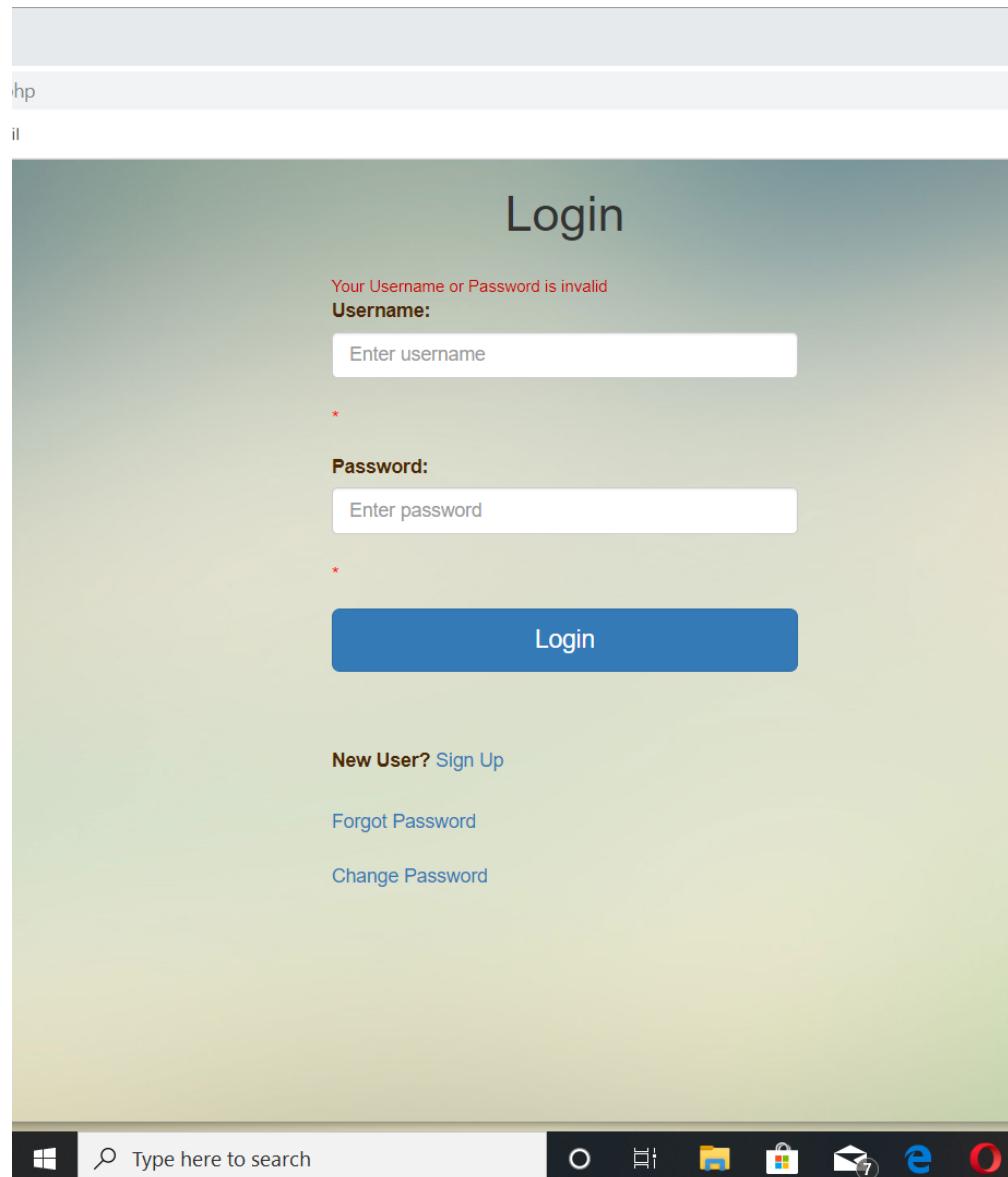
	Command	Target	Value
1	open	/DigiAd/loginpage.php	
2	set window size	1536x824	
3	click	name=username	
4	type	name=username	Administrator
5	click	name=pwd	
6	type	name=pwd	admin
7	click	name=but	
8	click	linkText=Logout	

Below the table, there are input fields for "Command", "Target", "Value", and "Description", along with buttons for "Run", "Stop", and "Clear". The status bar at the bottom shows "Runs: 1 Failures: 0".

On the left side of the Selenium IDE, a preview window shows the "Login" page with fields for "Username" and "Password", a "Login" button, and links for "New User?", "Sign Up", "Forgot Password", and "Change Password".

The taskbar at the bottom of the screen includes icons for File, Home, Task View, Start, Taskbar View, Edge, OneDrive, File Explorer, Settings, Task Manager, and the Selenium IDE icon.

Login Test – User (Invalid Credentials):



The screenshot shows a login page with the following details:

- Page Title:** Login
- Error Message:** Your Username or Password is invalid
- Username Field:** Enter username
- Password Field:** Enter password
- Login Button:** A large blue button labeled "Login".
- Links:** New User? [Sign Up](#), [Forgot Password](#), [Change Password](#).

Selenium IDE - User Login invalid credentials*

Project: User Login invalid credentials*

Executing ▾

User Login invalid credenti... http://localhost:8000

Command	Target	Value
1 open	/DigiAd/loginpage.php	
2 set window size	1536x824	
3 click	name=username	
4 type	name=username	Goud
5 click	name=pwd	
6 type	name=pwd	vitap
7 send keys	name=pwd	\${KEY_ENTER}

Command

Target

Value

Description

Runs: 1 Failures: 0

Log Reference

- 2. setWindowSize on 1536x824 OK
- 3. click on name=username OK
- 4. type on name=username with value Goud OK
- 5. click on name=pwd OK
- 6. type on name=pwd with value vitap OK
- 7. sendKeys on name=pwd with value \${KEY_ENTER} OK

'User Login invalid credentials' completed successfully

11:19:25
11:19:25
11:19:26
11:19:26
11:19:26
11:19:26
11:19:26
11:19:27

Type here to search

O E O S C X N Se

11:19 ENG 29-10-2019

Login Test – Admin (Invalid Credentials):

The screenshot displays a Selenium IDE window titled "Selenium IDE - Admin Login invalid credentials*" and a corresponding browser window showing a login page.

Selenium IDE Window:

- Project:** Admin Login invalid credentials*
- Executing:** Admin Login invalid cred...
- URL:** http://localhost:8000
- Table:** Shows the recorded test steps:

Command	Target	Value
open	/DigiAd/loginpage.php	
set window size	1536x824	
click	name=username	
type	name=username	Administrator
click	name=pwd	
type	name=pwd	admin123
send keys	name=pwd	\${KEY_ENTER}

Browser Window (Login Page):

The page has a header "Login". The "Username:" field contains "Administrator" and the "Password:" field contains "admin123". Both fields have red asterisks indicating they are required. A message "Your Username or Password is invalid" is displayed above the fields. A "Login" button is at the bottom. Below the form are links for "New User? Sign Up", "Forgot Password", and "Change Password".
The status bar at the bottom shows the Windows taskbar with various icons like File Explorer, Mail, Edge, and Task View, along with system information like battery level, signal strength, and date/time (11:21 29-10-2019).

Booking a Slot Test:

The screenshot displays a desktop environment with several windows open. On the left, a browser window shows a table with columns for Place and Action, containing entries like NYC, Hyderabad, Area 51 Highway, HYD to VJA Highway, HYD to MUMBAI Highway, and HYD to MUMBAI Highway. The Action column contains three buttons each: Read, Update, and Delete. In the center, the Selenium IDE is running a test titled "Creating a slot*". The test script consists of 16 commands. The first 15 commands are listed below, followed by a summary of the last command.

Command	Target	Value
type	name=pwd	admin
send keys	name=pwd	\${KEY_ENTER}
click	linkText=Change Slots	
click	linkText=Add New Slot	
click	name=time	
type	name=time	12:00 to 14:00
click	name=date	
type	name=date	3rd November 2019
click	name=place	
type	name=place	HYD to MUMBAI Highway
click	css=.btn-primary	

Run Summary: Runs: 1 Failures: 0

Log Reference

- 11. type on name=time with value 12:00 to 14:00 OK
- 12. click on name=date OK
- 13. type on name=date with value 3rd November 2019 OK
- 14. click on name=place OK
- 15. type on name=place with value HYD to MUMBAI Highway OK
- 16. click on css=.btn-primary OK

'Creating a slot' completed successfully

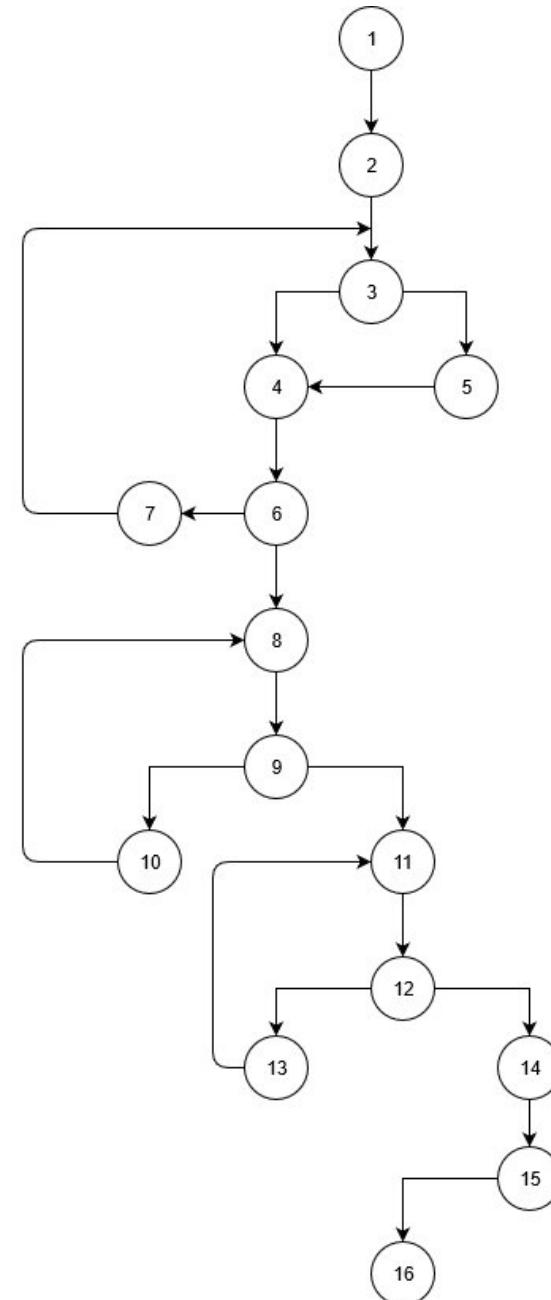
At the bottom, the Windows taskbar shows the system tray, a search bar, and icons for various applications including File Explorer, Mail, Edge, and others.

Cyclomatic Complexity

$$V(G) = \text{No. of regions} = 5$$

$$V(G) = P+1 = 4+1 = 5$$

$$V(G) = E-N+2 = 19-16+2 = 5$$



FUNCTION POINT ANALYSIS:

INFORMATION DOMAIN	COUNT	WEIGHTAGE FACTOR			
		SIMPLE	AVERAGE	COMPLEX	
EXTERNAL INPUT	3	3	4	6	9
EXTERNAL OUTPUT	3	4	5	7	12
EXTERNAL INQUIRY	2	3	4	6	6
INTERNAL LOGICAL FILES	3	7	10	5	21
EXTERNAL INTERFACE FILES	1	5	7	10	5

FUNCTION POINT ANALYSIS:

$$FP = COUNT * (0.65 + 0.01 * \sum (f_i))$$

HERE,

$$COUNT = 53$$

$$\sum (f_i) = 14 * 3 = 52$$

$$FP = 53 * (0.65 + 0.01 * 52)$$

$$FP = 62.01$$

Total ESTIMATED LOC = 3500.

ESTIMATION TECHNIQUES – LOC

APPROACH:

- BURDENED LABOUR RATE : \$2000

- AVERAGE PRODUCTIVITY : $3500/5 = 700$

I. **COST PER LOC** : LABOUR RATE/AVG PRODUCTIVITY
:\$2000/700
:APPROX \$3

I. **TOTAL PROJECT COST** :COST PER LOC*ESTIMATED LOC
:\$3*3500
:\$10500

I. **ESTIMATED EFFORT** : TOTAL PROJECT COST/LABOUR RATE
:\$10500/\$2000
:APPROX 6 PERSON/MONTH

ESTIMATION TECHNIQUES – FP

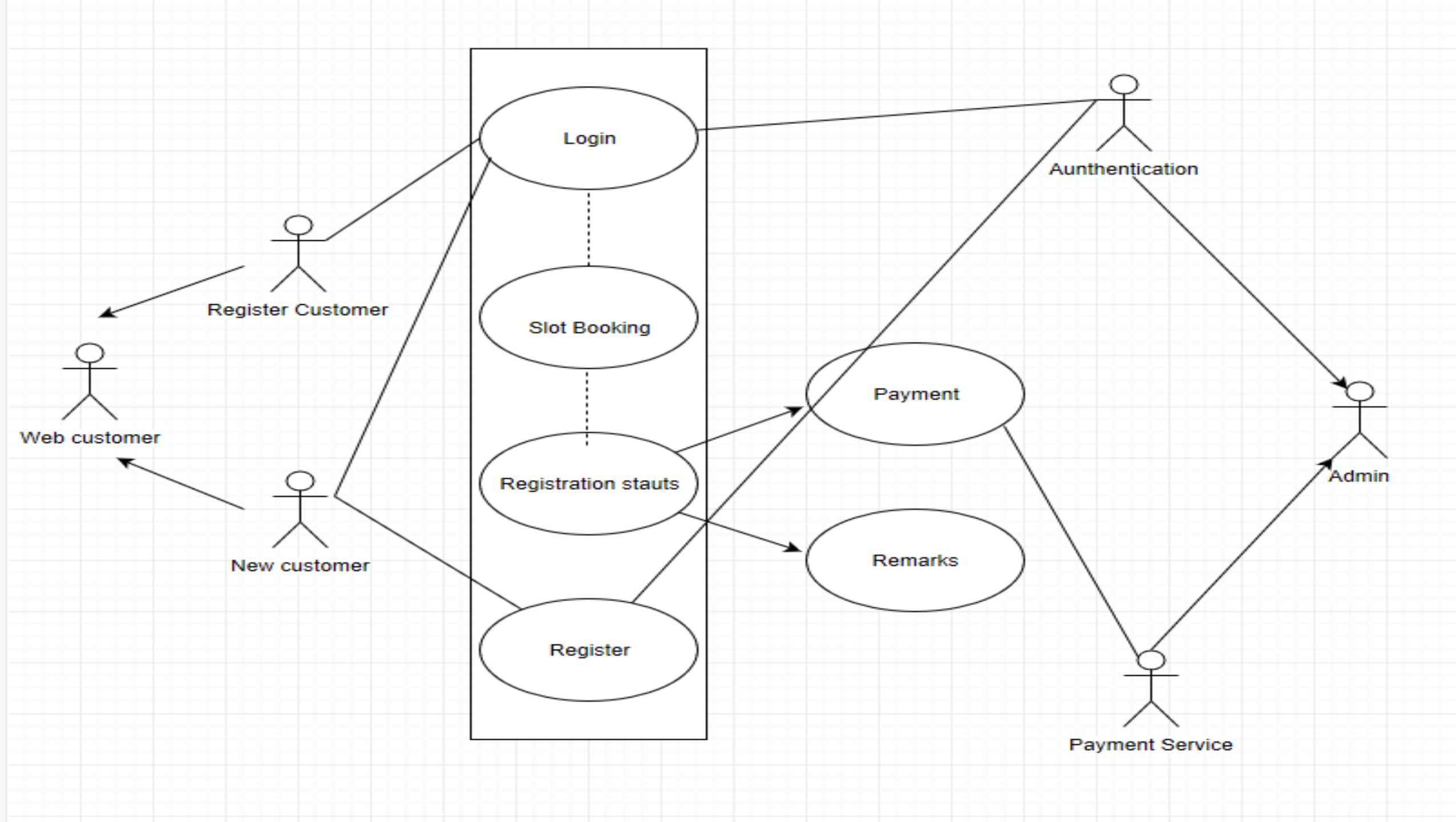
APPROACH:

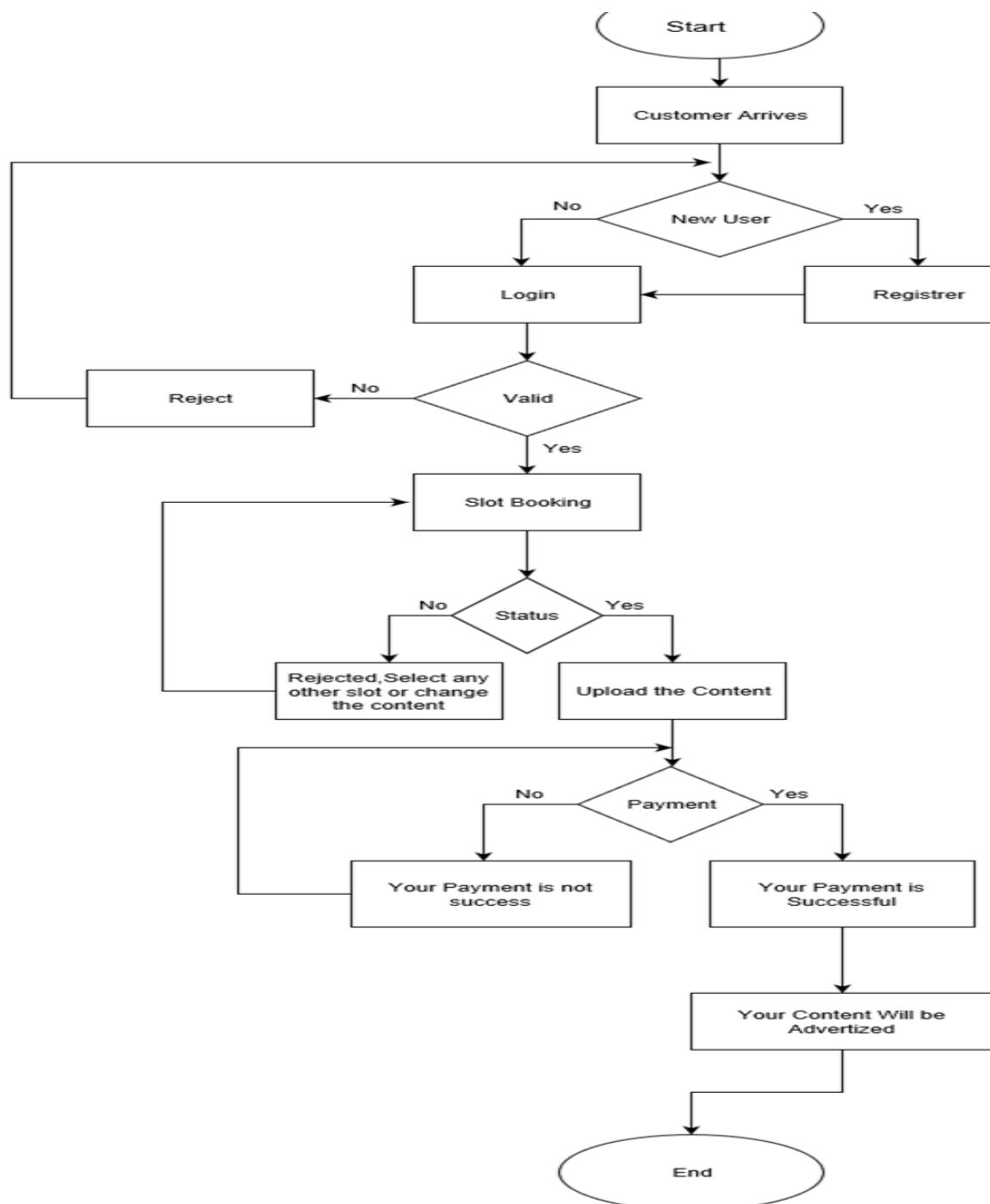
- I. APPROXIMATE COST PER FP : LABOUR RATE/AVG PRODUCTIVITY
:\$2000/10
:\$200

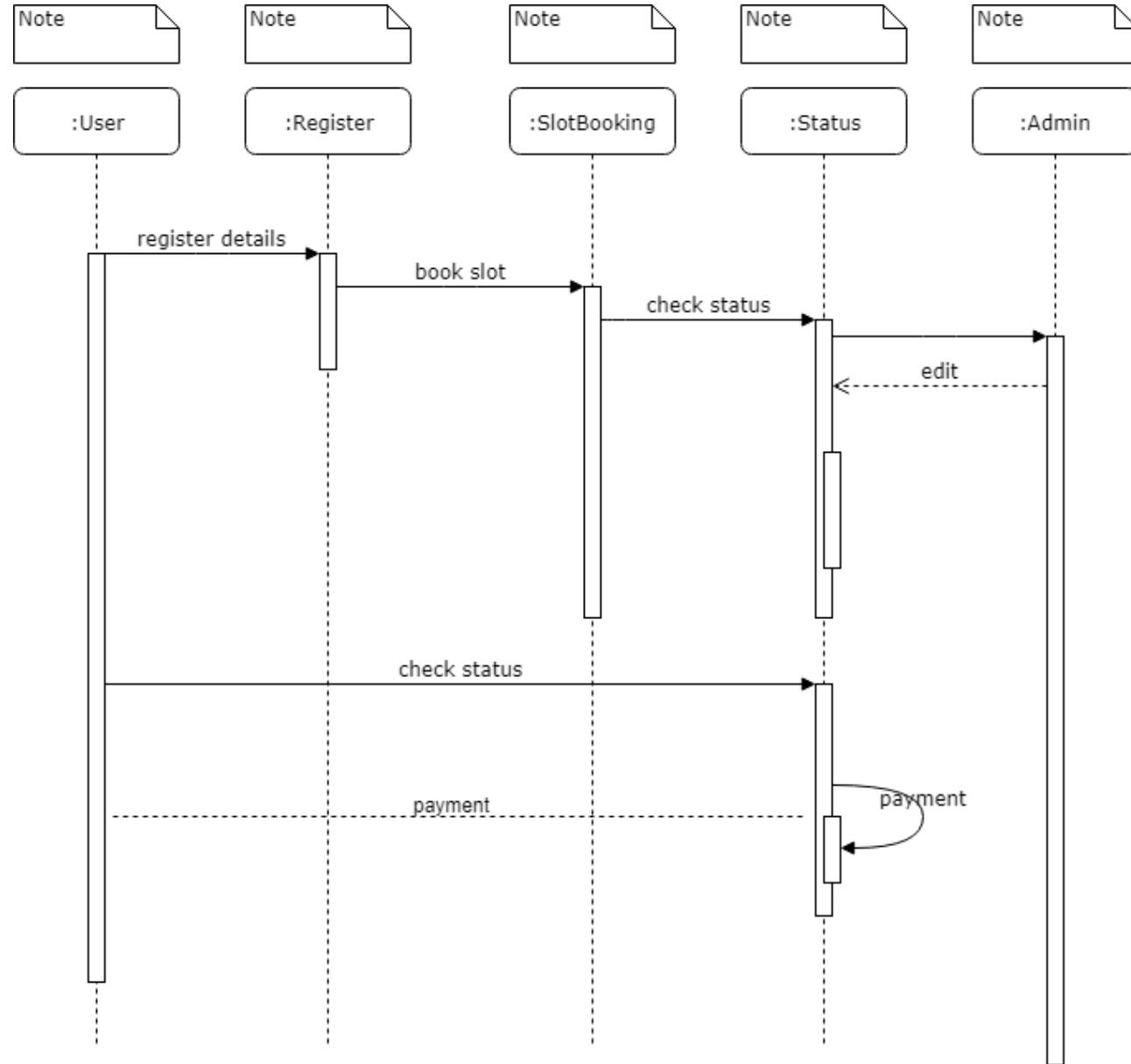
- I. TOTAL ESTIMATED COST : FP ESTIMATED*APPROX(COST PER FP)
: 62*\$200
:\$12400

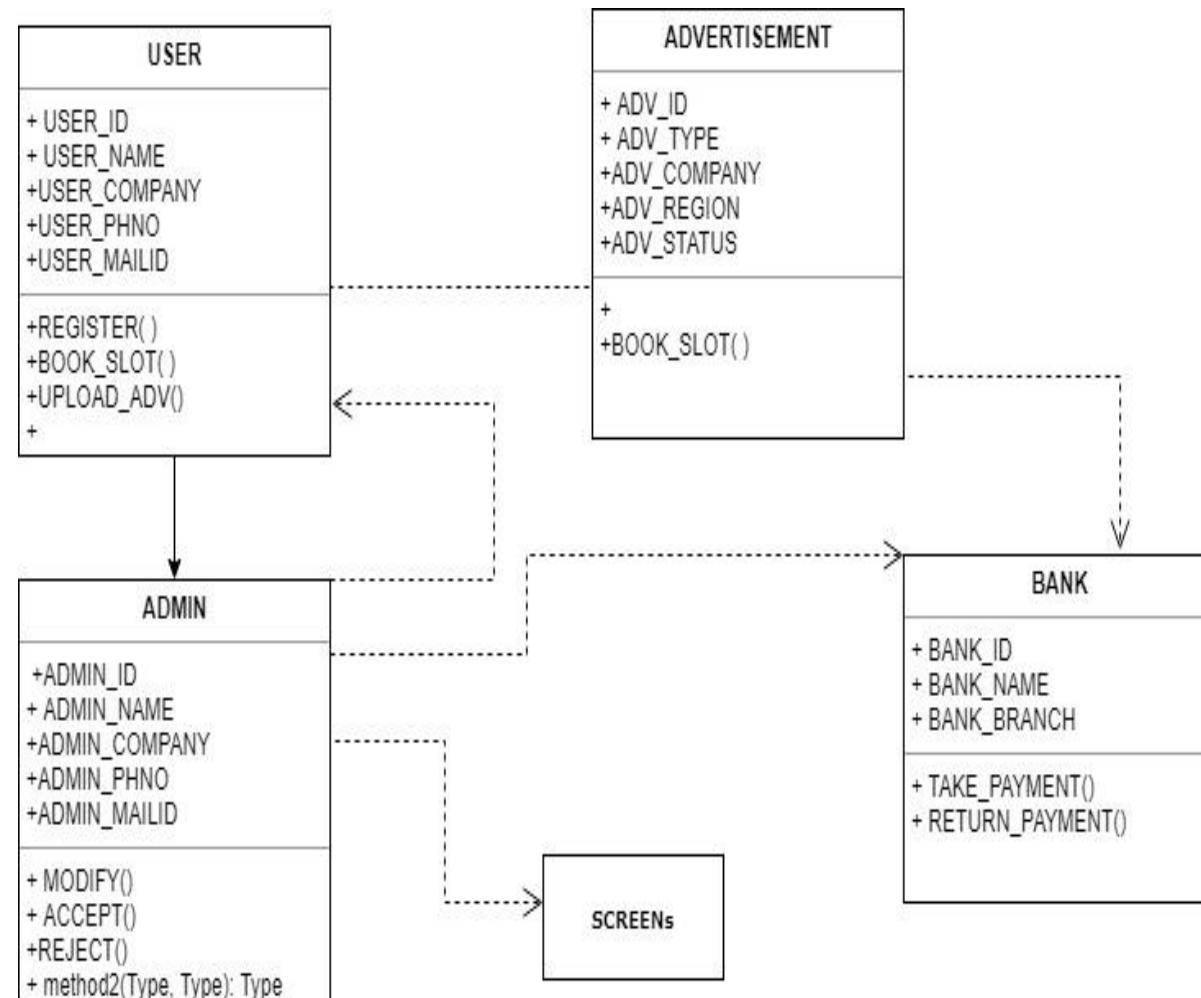
- I. ESTIMATED EFFORT : ESTIMATED COST/LABOUR RATE
:\$12400/2000=6.2
: APPROX 6 PERSONS/MONTH

UML DIAGRAMS



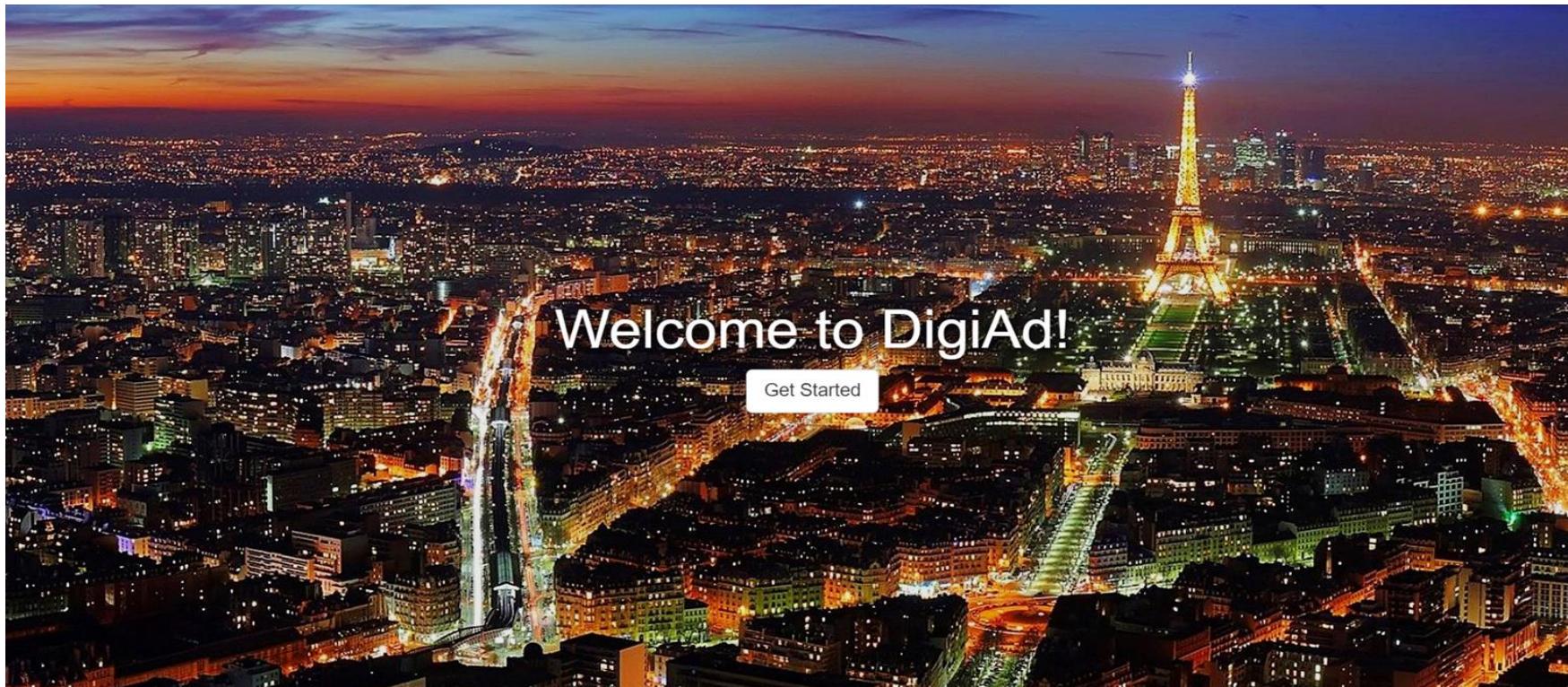






Challenges faced during Development

- Updation of Available slots in user page when admin accepts/rejects slots
- Uploading Video details into the database



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THANKYOU...