



Department of Networking and Communications

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	1
Title of Experiment	To identify the Software Project, Create Business Case, Arrive at a Problem Statement
Name of the candidate	SHAIK IRFAN
Team Members	MURALI KRISHNA , HIMESH CHANDER
Register Number	RA2011026010080 ,RA2011026010086 , RA2011026010081
Date of Experiment	

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Team Members:

S. No	Register No	Name	Role
1	RA2011026010086	MURALI KRISHNA	Lead/Rep
2	RA2011026010080	SHAIK IRFAN	Member
3	RA2011026010081	HIMESH CHANDER	Member

ONE PAGE BUSINESS CASE TEMPLATE

DATE — 31/03/2022

SUBMITTED BY — Immadi Naga Venkata Divya Sruti

TITLE/ROLE- An application which provides access to all OTT platforms.

AIM

To Frame a project team, analyse and identify a Software project. To create a business case and Arrive at a Problem Statement for the title of the project.

PROJECT TITLE/ROLE

An application which provides access to all OTT platforms.

APP NAME - GROTTTO

(An artificial space (wide place) where we can Explore new things!)



PROJECT DESCRIPTION

- This application comes with several added benefits with a single subscription.
- This application members can enjoy a wide range of movies, TV shows with family and friends.
- Favourite movies to their homepage with complimentary subscription to all OTT platforms.
- People can explore best events and experience and enjoy special discounts from our partner brands.
- People can easily combine their digital identity with only one account.
- This app tries to create an ecosystem where people have some benefits in OTT platforms.

THE PROJECT

In bullet points, describe the problem this project aims to solve or the opportunity it aims to develop.

It is a comprehensive digital membership service which provides access to premium subscriptions, exclusive offers, delightful experiences across all OTT platforms.

THE HISTORY

In bullet points, describe the current situation.

- OTT usage was still in its nascent stage before the advent of pandemic. Today, it has become a way of life.
- So, by this application, we give easy access to people on all OTT platforms.
- It aims to not only simplify, but also elevate every aspect of our lives.

LIMITATIONS

List what could prevent the success of the project, such as the need for expensive equipment, bad weather, lack of special training, etc.

- High-cost maintenance.
- Only one person can use this account.

APPROACH

List what is needed to complete the project.

- Users' attention towards this app.
- Sponsorships, effort, resources, funding, Knowledge is needed.
- The purpose is that people gain access to exclusive content with great benefits on all OTT platforms that is the main aim is to satisfy people's needs in recent times.
- Main objective is to satisfy the needs of its customers by providing exclusive content and premium benefits.
- It becomes more interesting when you can find everything under one roof.
- This application is a subscription service that gives access to wide range of privileges and benefits.

BENEFITS

In bullet points, list the benefits that this project will bring to the organization.

More growth and reach to digital platforms.

For people:

Exclusive offers

Premium subscriptions

Delightful experience

RESULT

Thus, the project team formed, the project is described, the business case was prepared and the problem statement was arrived.



Department of Networking and Communications

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	2
Title of Experiment	Identification of Process Methodology and Stakeholder Description
Name of the candidate	
Team Members	
Register Number	
Date of Experiment	

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

To identify the appropriate Process Model for the project and prepare Stakeholder and User Description.

Team Members:

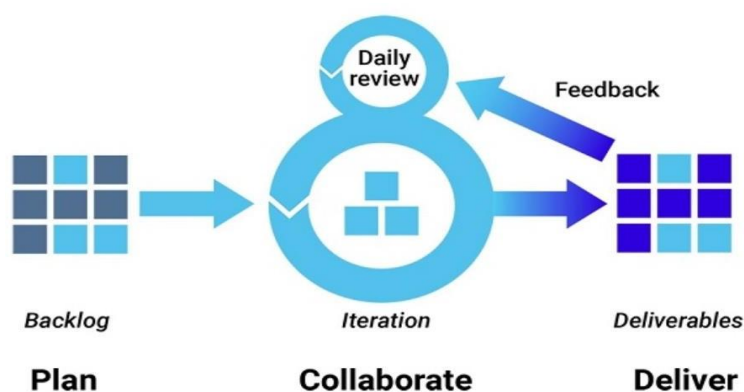
SI No	Register No	Name	Role
1	RA2011026010086	MURALI KRISHNA	Rep/Member
2	RA2011026010080	SHAIK IRFAN	Member
3	RA2011026010081	HIMESH CHANDER	Member

Project Title:

Selection of Methodology

Agile development methodology is preferred for this project to minimize risk (such as bugs, cost overruns, and changing requirements) when adding new functionality. In all agile methods, teams develop the software in iterations that contain mini-increments of the new functionality.

The primary benefit of agile software development is that it allows software to be released in iterations. Iterative releases improve efficiency by allowing teams to find and fix defects and align expectation early on. They also allow users to realize software benefits earlier, with frequent incremental improvements.



Incorporate information to below table regarding stakeholders of the project

Stakeholder Name	Activity/ Area /Phase	Interest	Influence	Priority (High/ Medium/ Low)
Project Manager	Deals with various crucial roles and responsibilities	High	High	1
Software developers	responsible for utilizing the technical requirements from the technical leads to form cost and deadline estimates	High	High	1
UI designer	prepare or design the user affiliate. They transfer content, graphics, style affix with a client.	High	High	1
Project Sponsors	External stakeholders, allocate the needful finances to the project	High	Medium	3
Development Team	Develops the application	Medium	High	2
Project Owner	who has the knowledge of how a terminal product or the outcome should look like. Have an enormous idea about the project and its users.	High	High	1
Team members	Create designs, test data, analyze, review and assist administration	Medium	High	2

Resource Manager	Ensure adequate resource according to project need and budget	Low	Low	4
Testing Team	ensuring the software solution meets the demands and complies with the qualities level.	Medium	Low	3
End Users	Provides feedback of application	Low	Low	5

Result:

Thus the Project Methodology was identified and the stakeholders were described.



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Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	3
Title of Experiment	System, Functional and Non-Functional Requirements of the Project
Name of the candidate	
Team Members	
Register Number	
Date of Experiment	

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

To identify the system, functional and non-functional requirements for the project.

PROJECT TITLE:

An application which provides access to all OTT Platforms

APP NAME – GROTTTO

SYSTEM REQUIREMENTS:

The system requirements are that requirements for the user so that they can access and use the application.

The system requirements required for this app include:

- Access to all the device-specific features including GPS, notifications etc.
- Providing a full experience to the user on their iOS or android smartphone.
- Accordingly, iOS and android specifications are needed.
- Computer languages should be known.

FUNCTIONAL REQUIRMENTS:

These define a list of actions that system has to perform and specify how the system responds to various input data, how it behaves in particular situation and so on.

The functional requirements for this app include:

- User login the system by entering valid user id and password.
- System maintains the detail of all OTT platforms present in the website.
- Provides the information about all the offers given to the user.
- In this system we are dealing with payment, ensuring safe and secure transaction.
- Making the website responsive.

NON-FUNCTIONAL REQUIREMENTS:

These describes the system operation capabilities and constraints that enhance its functionality.

The non-functional requirements needed for this app include:

- Availability – requirements for app continuous running, for example, 24/7 etc.
- Reliability – app behavior in case of automatic restart.
- Performance – how many simultaneous users or transactions the system is to service and its response time.
- Security – private data processing, use of safety requirements
- Usability – ease of use and user-friendly interface, that allows users to seamlessly interact with the product.

Result

Thus the requirements were identified and accordingly described.



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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	4
Title of Experiment	Prepare Project Plan based on scope, Calculate Project effort based on resources and Job roles and responsibilities
Name of the candidate	
Team Members	
Register Number	
Date of Experiment	

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

To Prepare Project Plan based on scope, Calculate Project effort based on resources, Find Job roles and responsibilities

1. Project Management Plan

Focus Area	Details
Resource Management	Allocating tasks to team members based on their capacity i.e., giving them their respective known languages for this website development.
Scope Management	Allowing web design agency to finalize cost and time frame for this website.
Schedule Management	Series of task need to be accomplished i.e., which person need to do which part of code according to respective given time.
Risk Management	Custom coding and testing take huge time. Too many decision makers (stakeholders, committees)

Estimation

1.1. Effort and Cost Estimation

Activity Description	Sub-Task	Sub-Task Description	Effort (in hours)	Cost in INR
Number of pages	Unique paging	A unique page and it is the main pricing factor. Estimated lines of code= 1 KLOC	6	3000
Database integration	Storing information	Store information about your products, employees, and customers all in one area. Estimated lines of code=0.5 KLOC	3	1500
Content Management System	User-friendly interface	We can make changes to our website without changing website's code. Estimated lines of code=0.3 KLOC	2	1000
Web hosting	Customize website	Build customized website which can distinguish from our competitors	3	1500
Interactive multimedia	Compliment product listings	Used to compliment product listing to ensure that users know what they are purchasing Estimated lines of code=0.2 KLOC	1	500
Responsive design	Making website look good in all devices	Responsiveness for any website is necessary for good look and attract people. Estimated lines of code=0.5 KLOC	3	1500

Model Used – COCOMO MODEL – BASIC SEMI DETACHED

Effort (hr)	Cost (INR)
1	500

1.2. Infrastructure/Resource Cost [CapEx]

Infrastructure Requirement	Qty	Cost per qty	Cost per item
Domain name	1	800	800
Content Management System	1	1,50,000	1,50,000
Web Hosting	1	8000	8000

2.3.Maintenance and Support Cost [OpEx]

Category	Details	Qty	Cost per qty per annum	Cost per item
People (Tech support)	Network, System, Middleware and DB admin Developer.	3	2,00,000	6,00,000
SSL Certificate	Avoiding the browser to give a security risk warning	1	8000	8,000
Infrastructures	Server, Storage and Network	1	2000	2,000
Website upkeep	Maintaining website without any crash in between.	1	8000	8000

2. Project Team Formation

2.1. Identification Team members

Name	Role	Responsibilities
Divya Sruti	Project owner	Provide clear business and user requirements
Divya Sruti	Project Manager	Manage the project
Shashank	Business Analyst	Discuss and Document Requirements
Karthik	Technical Lead	Design the end-to-end architecture
Karthik	UX Designer	Design the user experience

Karthik	Frontend Developer	Develop user interface
Karthik	Backend Developer	Design, Develop and Unit Test Services/API/DB
Sruti	Cloud Architect	Design the cost effective, highly available and scalable architecture
Shashank	Cloud Operations	Provision required Services
Shashank	Tester	Define Test Cases and Perform Testing

2.2. Responsibility Assignment Matrix

RACI Matrix	Team Members			
Activity t	Name (BA) (Shashank)	Name (Developer) (Karthik)	Name (Project Manager) (Sruti)	Key Business User (Karthik)
Design framework	A	R	A	I
User testing	A	R	A	I
Development	A	C	R	I
Software approval	C	A	I	R
Risk assessment	R	C	A	I

A	Accountable
R	Responsible
C	Consult
I	Inform

Result:

Thus, the project plan was documented successfully.



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Course Name: Software Engineering and Project Management

Experiment No	5
Title of Experiment	Prepare Work breakdown structure, Timeline chart, Risk identification table
Name of the candidate	
Team Members	
Register Number	
Date of Experiment	

Mark Split Up

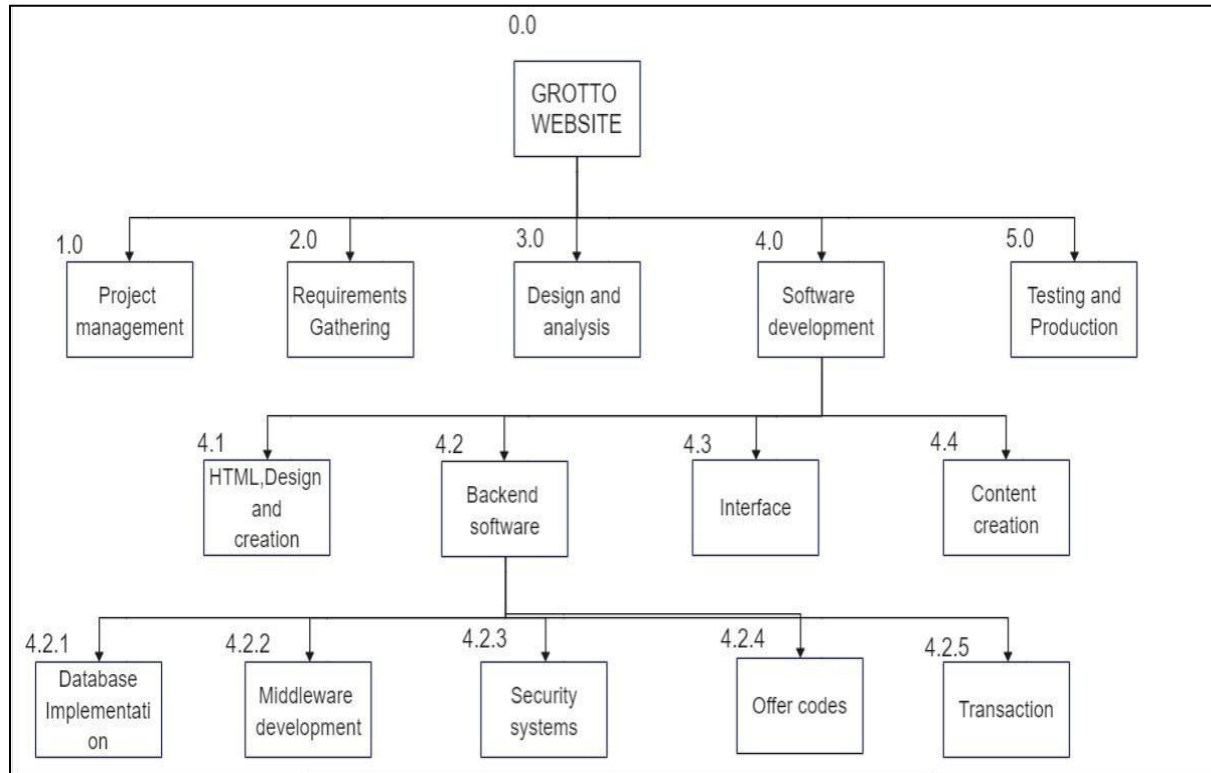
S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

To Prepare Work breakdown structure, Timeline chart and Risk identification table

WBS BREAKDOWN STRUCTURE:



0.0 Retail Web Site

1.0 Project Management

2.0 Requirements Gathering

3.0 Analysis & Design

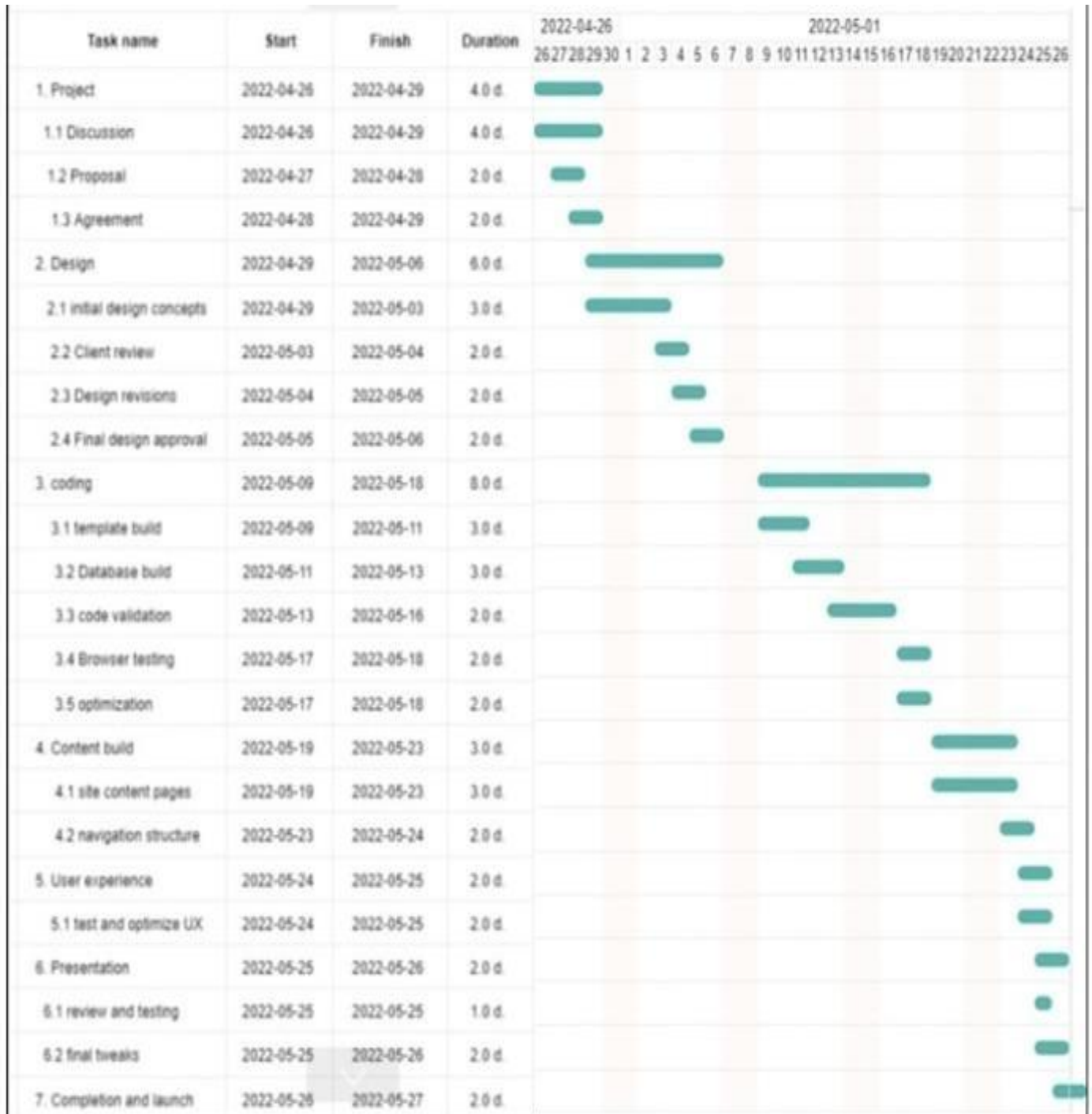
4.0 Site Software Development

- 4.1 HTML Design and Creation
- 4.2 Backend Software
 - 4.2.1 Database Implementation
 - 4.2.2 Middleware Development
 - 4.2.3 Security Subsystems
 - 4.2.4 Offer codes
 - 4.2.5 Transaction

- 4.3 Interface
- 4.4 Content Creation

5.0 Testing and Production

Timeline Chart – GANTT CHART



RISK ANALYSIS – SWOT AND RMMM

SWOT ANALYSIS:

STRENGTHS:

- Customer centric design and messaging
- Useful and relevant content
- Quick and easy access to users
- Responsive design with full mobile support
- Giving exclusive offers

WEAKNESSES:

- Lack of mobile support
- Confusing structure and navigation

OPPORTUNITIES:

- Emerging OTT platforms growth
- More effective market tactics
- New technologies to improve user experience

THREATS:

- Competitors copying features and ideas
- Changing user needs
- Spam and ads
- Upgraded browser software

RISK MANAGEMENT – RMMM FRAMEWORK

RESPONSE	STRATEGY	RESPONSE PLAN
Accept	Contingency plans for risk	User needs may often change, so we may get feedback from clients or expertise, but undergo additional charges.
Transfer	Have third party take on responsibility for risk (When We don't have expertise)	Transferring to part time or full-time experts or hiring a web design studio.
Avoid	Eliminate the cause of risk	Collecting sensitive data, i.e., giving valid offers.
Mitigate	Reduce probability or impact of risk	Checking capabilities of new technologies

Result:

Thus, the work breakdown structure with timeline chart and risk table were formulated successfully.



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Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	6
Title of Experiment	Design a System Architecture, Use Case and Class Diagram
Name of the candidate	
Team Members	
Register Number	
Date of Experiment	

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

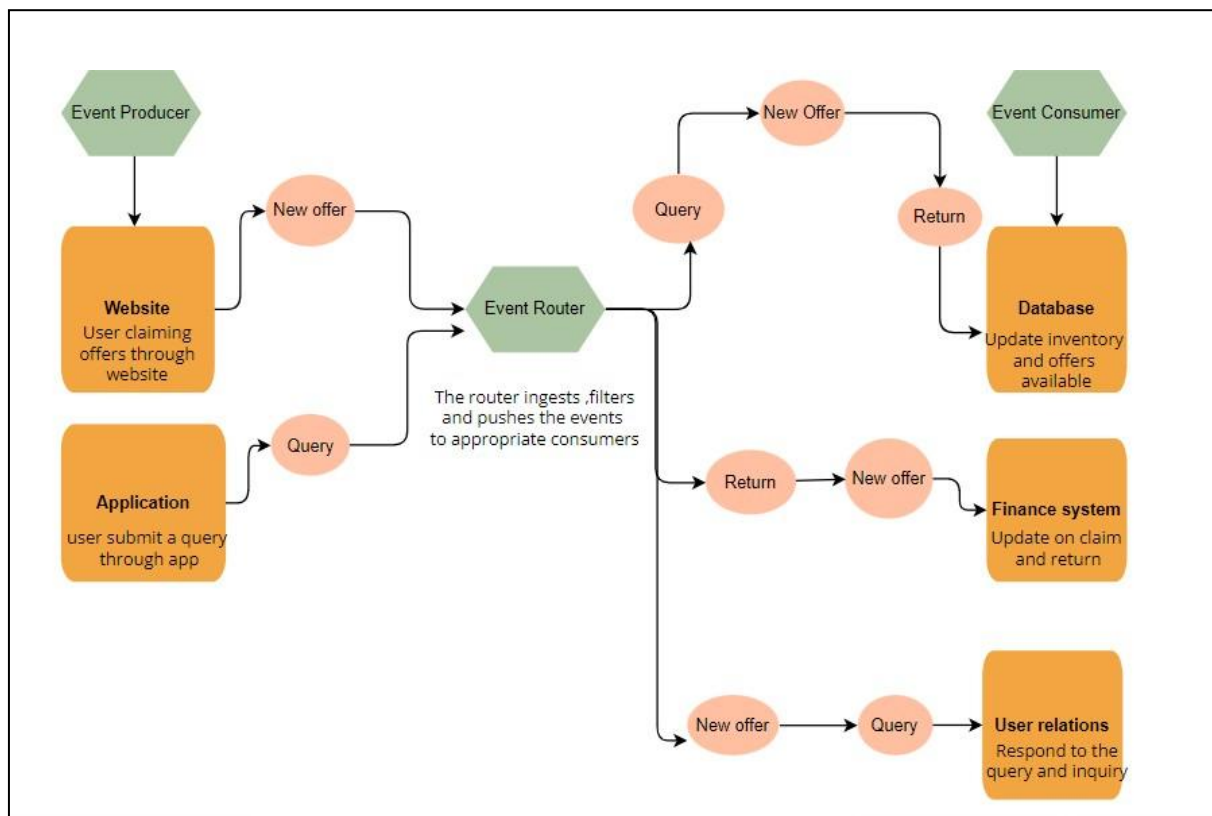
Staff Signature with date

Aim

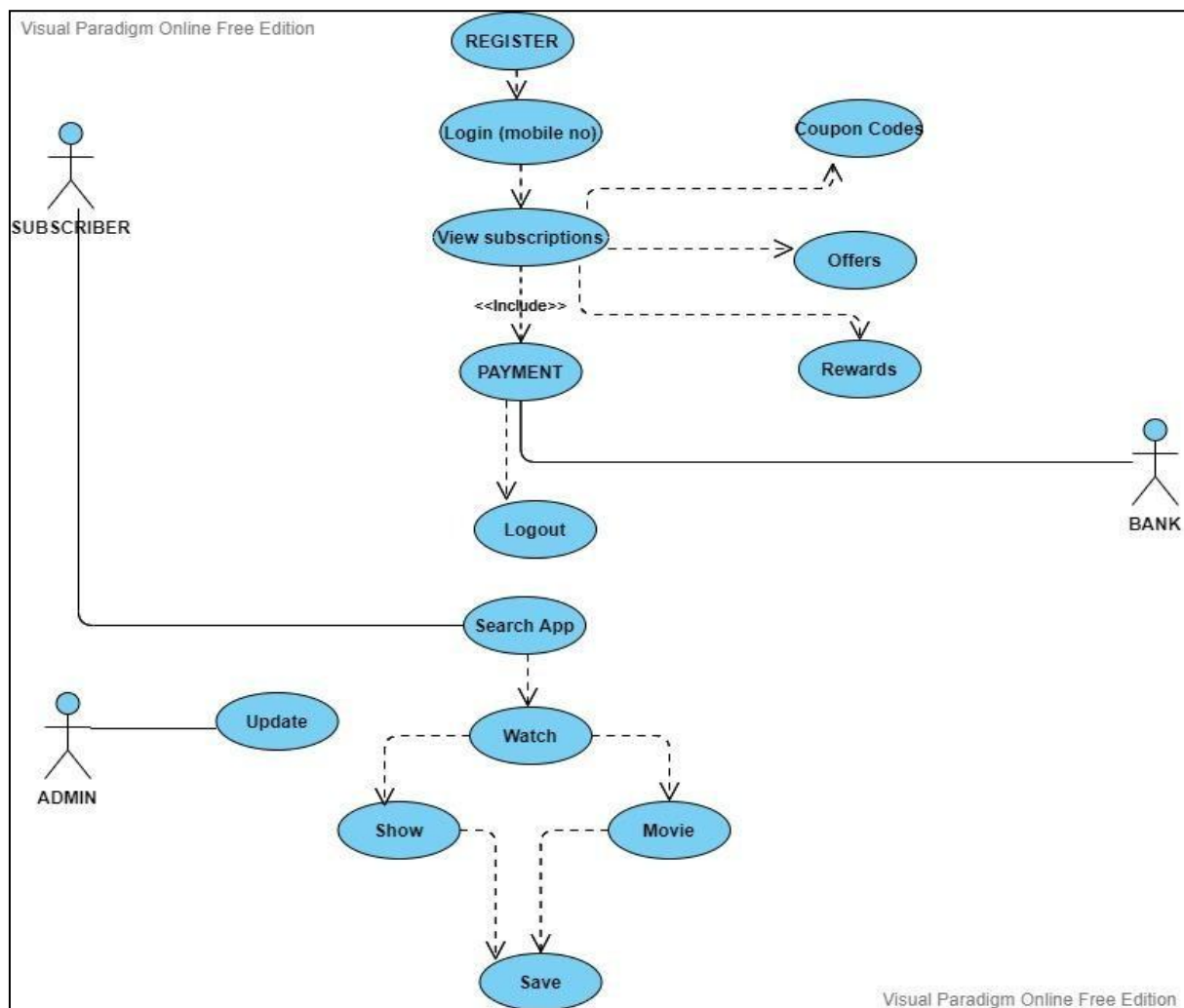
To Design a System Architecture, Use case and Class Diagram and State chart diagram.

SYSTEM ARCHITECTURE:

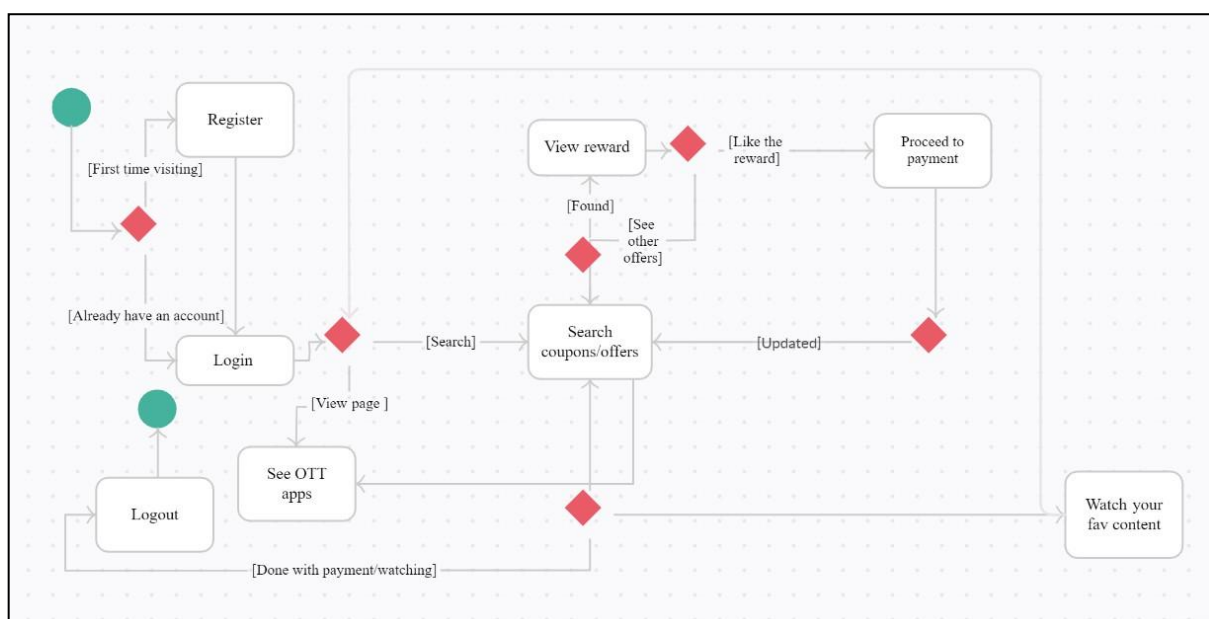
EVENT – DRIVEN ARCHITECTURE



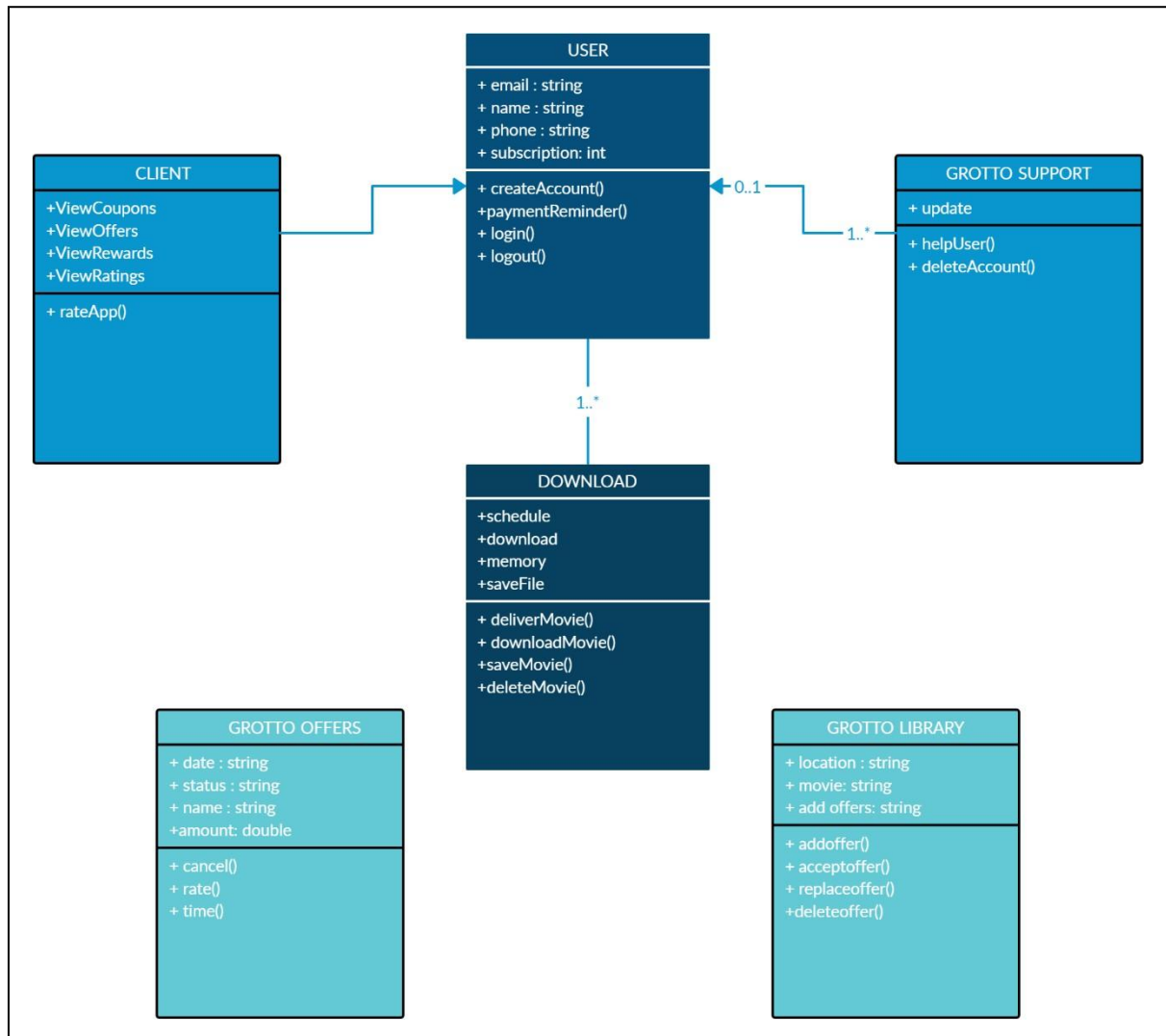
USE CASE DIAGRAM



STATE CHART DIAGRAM:



CLASS DIAGRAM



Result:

Thus, the system architecture, use case, class diagram, state chart diagram created successfully.



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Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	7
Title of Experiment	Design a Entity relationship diagram
Name of the candidate	
Team Members	
Register Number	
Date of Experiment	

Mark Split Up

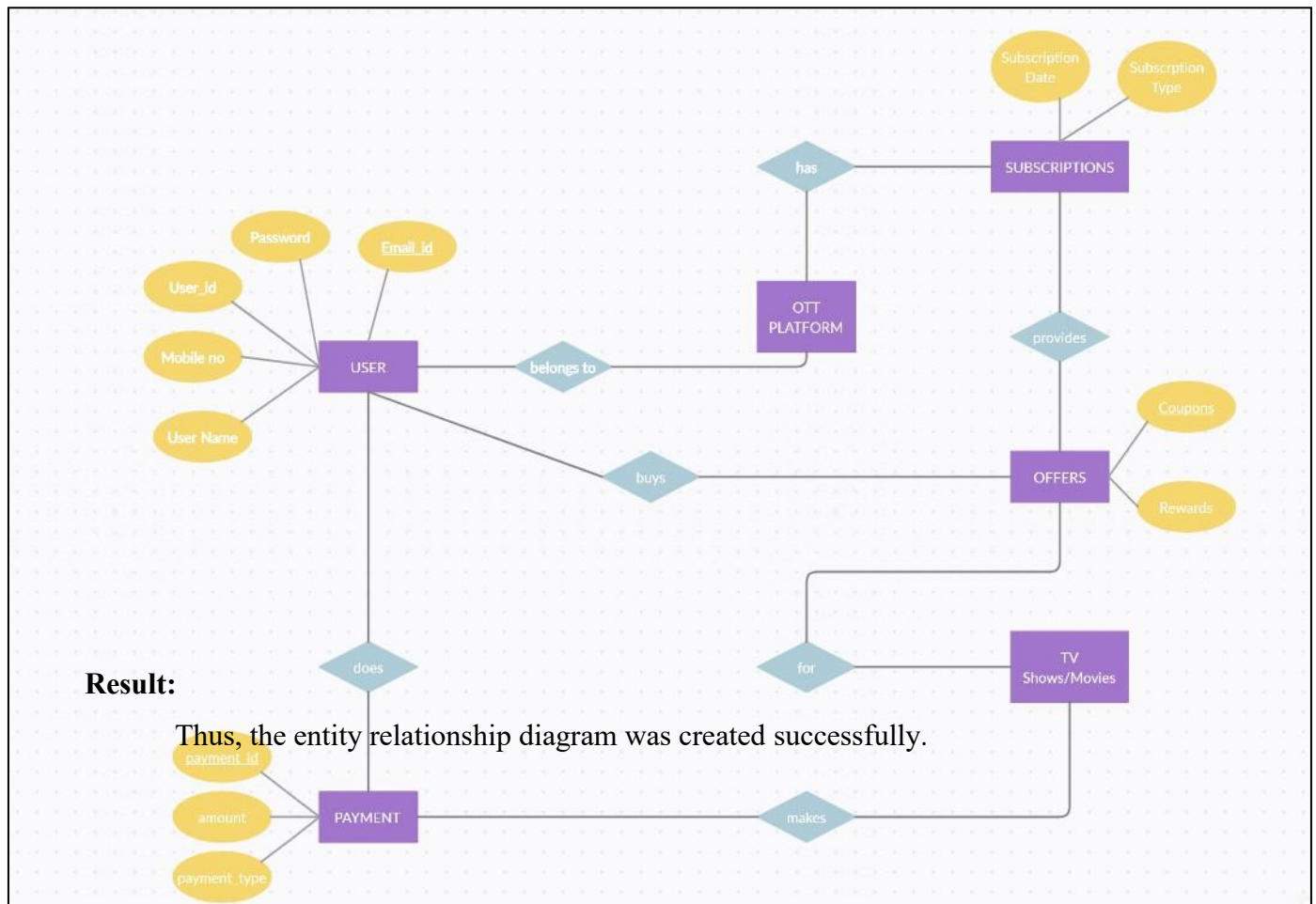
S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

To create the Entity Relationship Diagram

ENTITY RELATIONSHIP DIAGRAM:





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Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	8
Title of Experiment	Develop a Data Flow Diagram (Process-Up to Level 1)
Name of the candidate	
Team Members	
Register Number	
Date of Experiment	

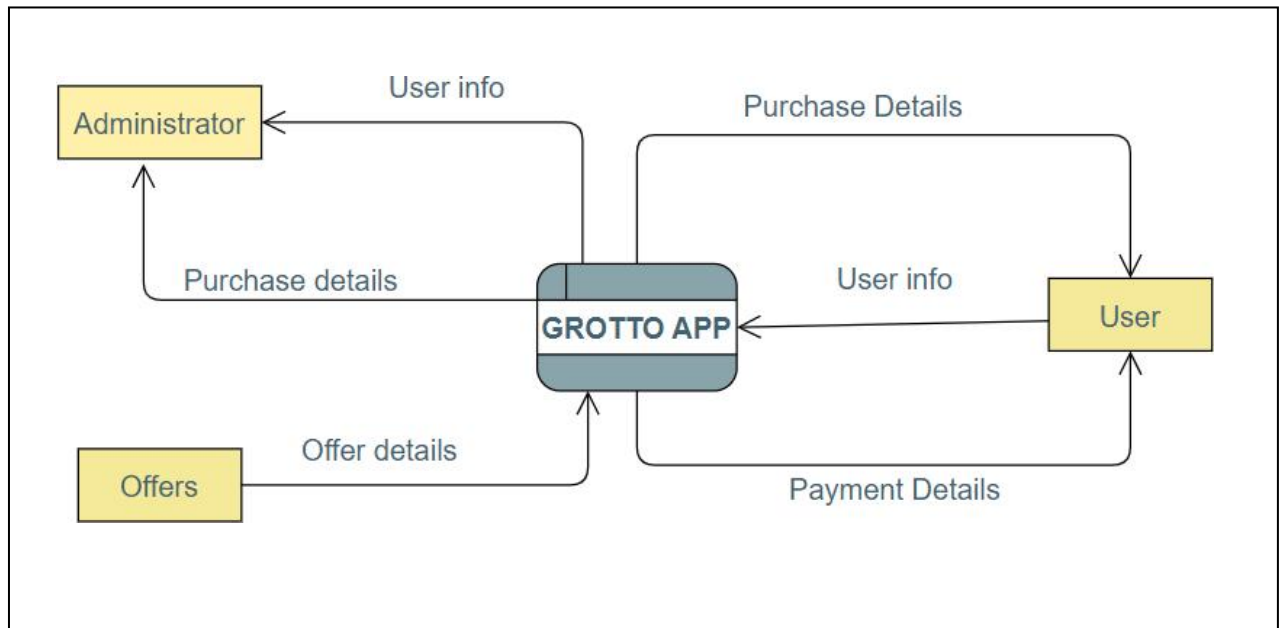
Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

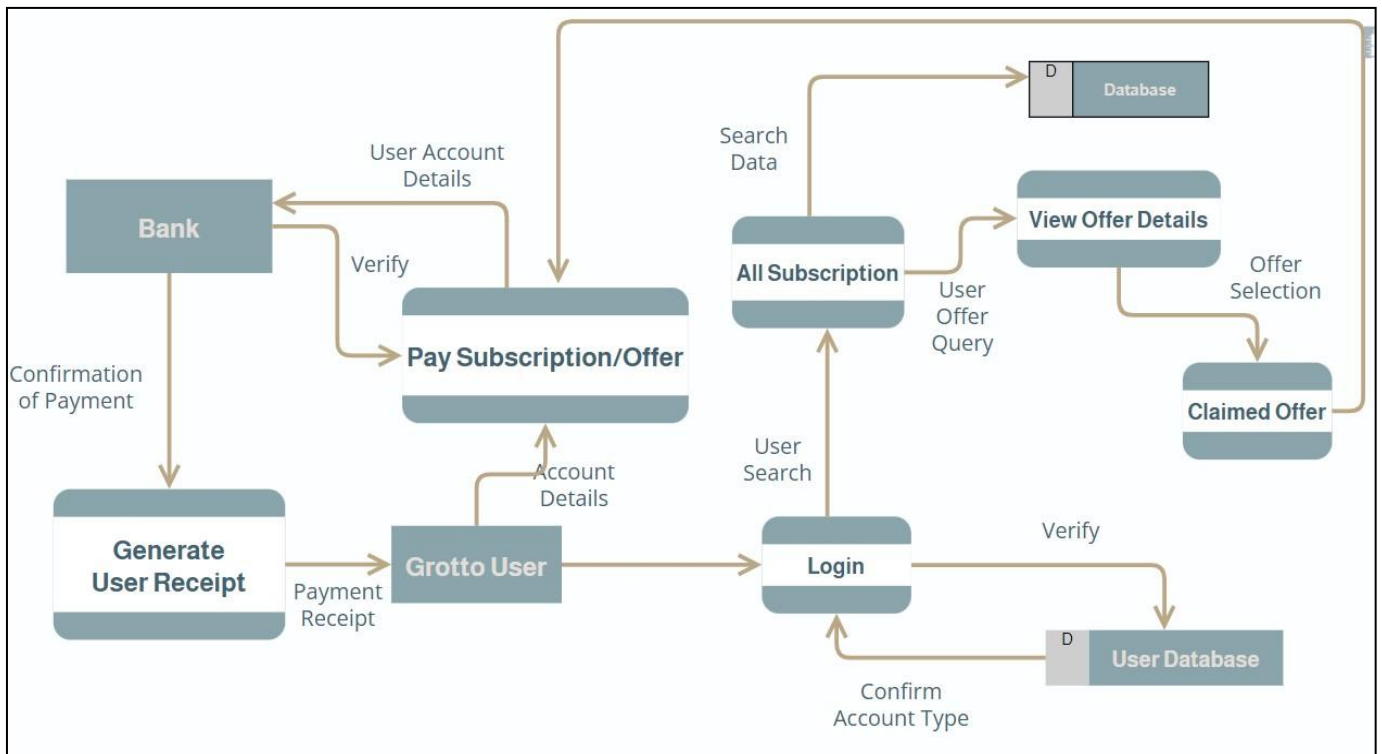
Staff Signature with date

To develop the data flow diagram up to level 1 for the Grotto App

DFD LEVEL 0:



DFD LEVEL 1:



Result:

Thus, the data flow diagrams have been created for the Grotto app



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Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	9
Title of Experiment	Design a Sequence and Collaboration Diagram
Name of the candidate	
Team Members	
Register Number	
Date of Experiment	

Mark Split Up

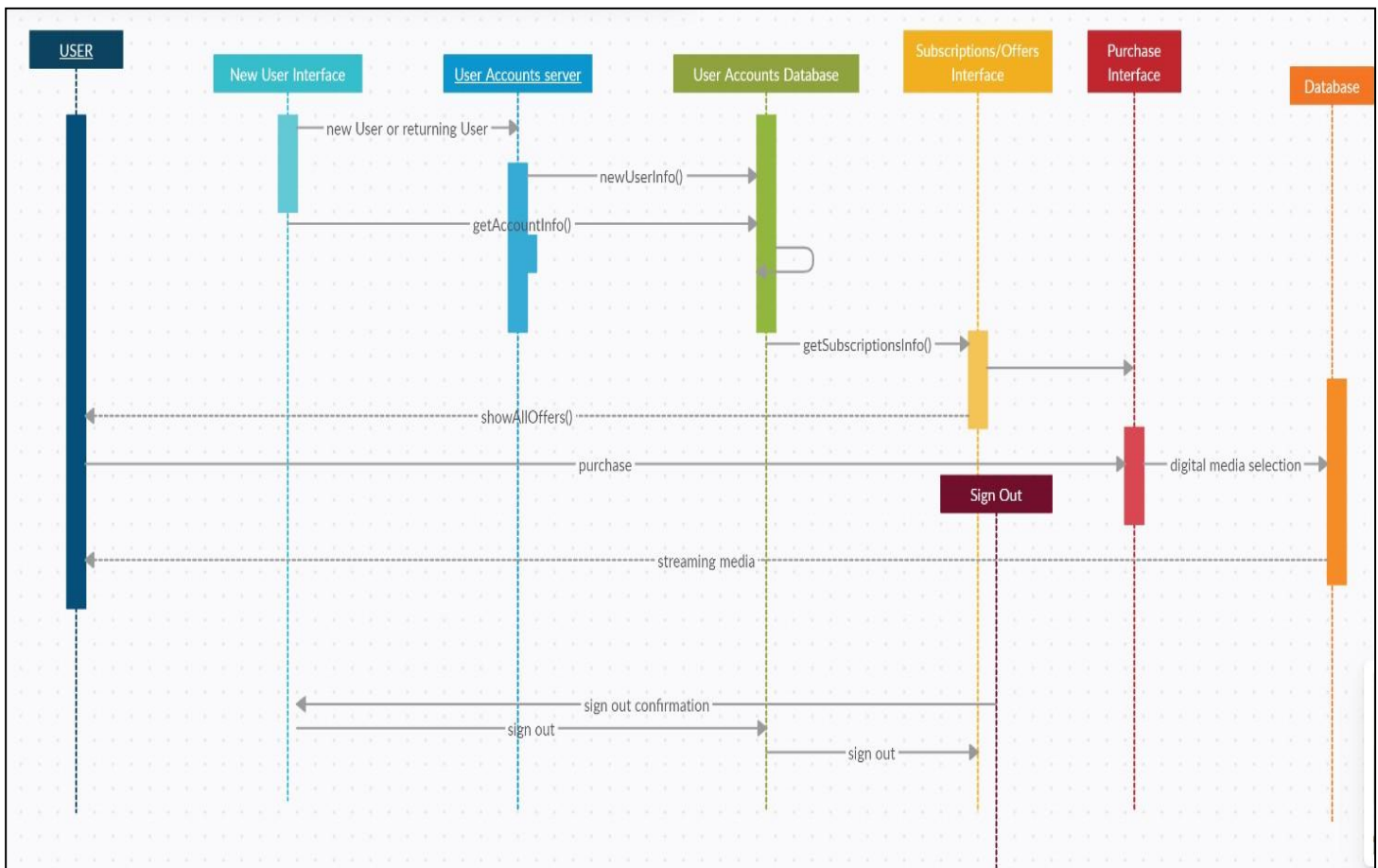
S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

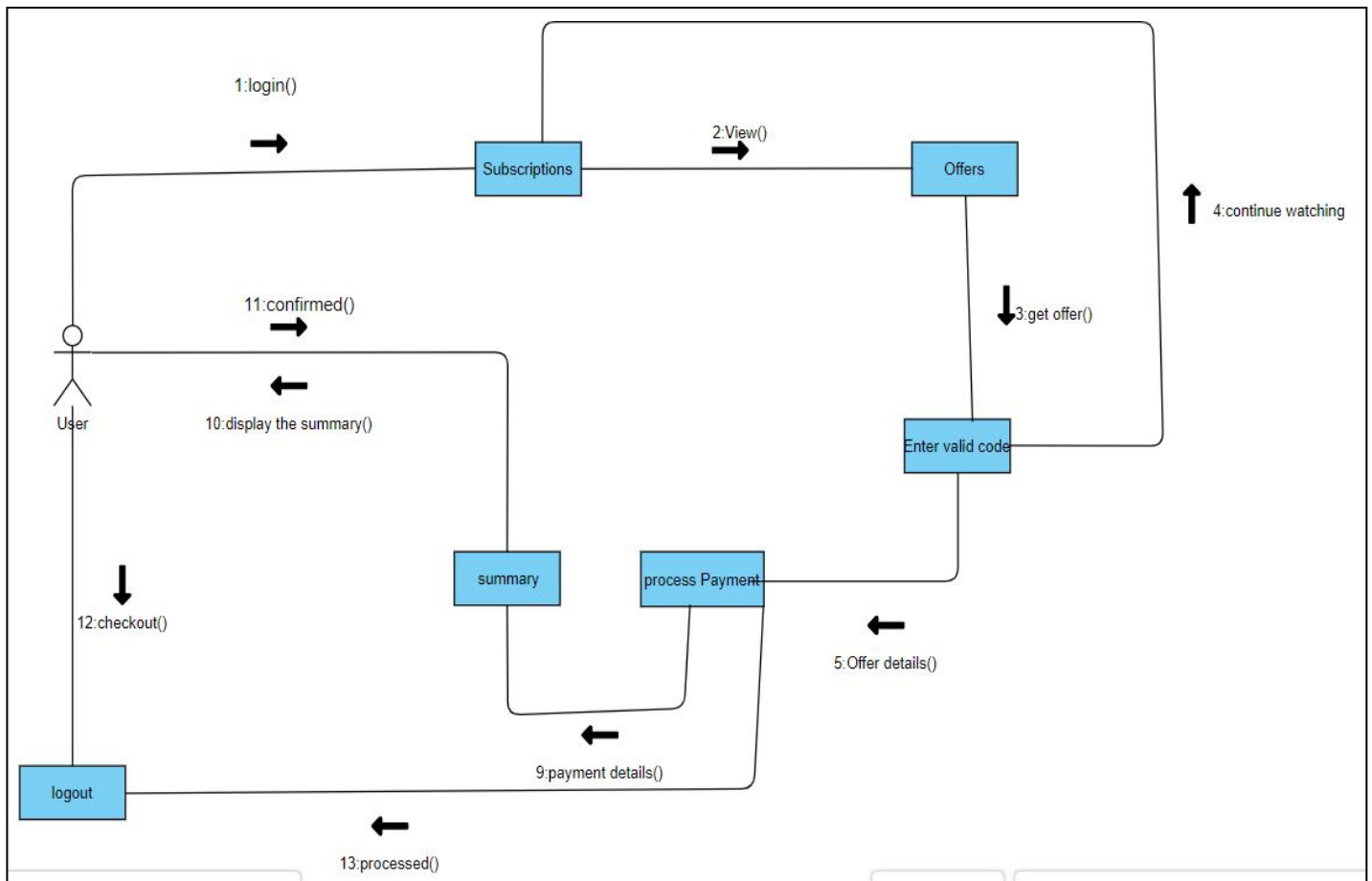
Aim

To create the sequence and collaboration diagram for the Grotto App.

SEQUENCE DIAGRAM:



COLLABORATION DIAGRAM:



Result:

Thus, the sequence and collaboration diagrams were created for the Grotto App.



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Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	10
Title of Experiment	Develop a Testing Framework/User Interface
Name of the candidate	
Team Members	
Register Number	
Date of Experiment	

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

To develop the testing framework and/or user interface framework for the Grotto app.

A project team should clearly understand what features and functions there are to be tested and which ones are out of scope. To determine the scope of testing, the project specification, budget, and customer's requirements should be taken into account.

Unit Testing

- Verify whether every unit operates as intended.
- **Entry Criteria**
 - the planning phase has been finished
 - testable units are available
 - all functional requirements have been defined
 - the unit testing environment has been set up
- **Exit Criteria**
 - all planned test cases have been covered
 - all the bugs found have been reviewed
 - the performance of key modules has been tested
- **Logging Tests and Reporting**
 - fix the defects found in each unit. If these defects are related to other modules and units, they must be reported.

System Testing

- To evaluate compliance of an integrated application with its requirements.
- This testing is done after unit testing.

Test Plan

Scope of Testing

Functional and non-functional testing used for grotto app are listed below:

Usability_testing

To make sure that the mobile app is easy to use and provides a satisfactory user experience to the customers

Compatibility testing

Testing of the application in different mobiles devices, browsers, screen sizes and OS versions according to the requirements.

Interface testing

Testing of menu options, buttons, bookmarks, history, settings, and navigation flow of the application.

Services testing

Testing the services of the application online and offline.

Low-level resource testing

Testing of memory usage, auto-deletion of temporary files, local database growing issues known as low-level resource testing.

Performance_testing

Testing the performance of the application by changing the connection from 2G, 3G to WIFI, sharing the documents, battery consumption, etc.

Operational testing

Testing of backups and recovery plan if a battery goes down, or data loss while upgrading the application from a store.

Regression testing

Regression testing is a re-execution of tests that had been done before the code changes. Its purpose is to verify whether a new functionality has affected the existing one.

Installation_tests

Validation of the application by installing /uninstalling it on the devices.

Security Testing

Testing an application to validate if the information system protects data or not.

Types of Testing, Methodology, Tools

Category	Methodology	Tools Required
Functional Requirements	Manual	Appium Testcomplete Selenium
Non-functional requirements	Manual/User crowd validation	Jmeter Loadstorm

Result:

Thus, the testing framework/user interface framework has been created for the Grotto App



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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	11
Title of Experiment	Test Cases
Name of the candidate	
Team Members	
Register Number	
Date of Experiment	

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

To develop the test cases manual for the Grotto App

Test Case

Functional Test Cases

TEST ID – (1 TO 17) – REGISTER PAGE TEST CASES

TEST ID – (18 TO 28) – LOGIN PAGE TEST CASES

TEST ID – (29 TO 37) – HOME PAGE TEST CASES

TEST ID – (38 TO 40) – PROFILE PAGE TEST CASES

TEST ID – (41 TO 53) – MAIN PAGE TEST CASES

TEST ID – (54 TO 70) – PAYMENT'S PAGE TEST CASES

TEST ID – (71 TO 96) – SETTING UP GROTTA PAGES TEST CASES

Test ID (#)	Test Scenario	Test Case	Execution Steps	Expected Outcome	Actual Outcome	Status	Remarks
1.	User Interface	Check all the text boxes, radio buttons, buttons, etc	1. Click on Radio buttons, buttons and dropdowns	UI should be perfect	UI is perfect	Pass	Success
				UI should be perfect	UI is not perfect	Fail	Failure
2.	Required fields	Check the required fields by not filling any data	1. Do not enter any value in the field. 2. Click on the	It should show a mandatory symbol (*) on	It shows show a mandatory symbol (*) on	Pass	Success

			Register button.	mandatory fields. It should show a mandatory symbol (*) on mandatory fields.	mandatory fields. It doesn't show a mandatory symbol (*) on mandatory fields.	Fail	Failure
3.	Required fields	Check user should Register by filling all the required fields	1. Enter valid values in the required fields. 2. Click the Register button.	1. Users should be registered successfully. 2. A successful registration message should show. 3. Mail should send to the user	1. Users is registered successfully. 2. A successful registration message is shown. 3. Mail is sent to the user	Pass	Success
4.	Optional Fields	Check all the optional fields when do not fill data	1. Do not enter any detail in optional fields 2. Enter valid data in required fields 3. Click on the Signup button	1. User should be registered successfully 2. A successful registration message should show 3. Mail should send to the user	1. Users is registered successfully. 2. A successful registration message is shown. 3. Mail is sent to the user	Pass	Success
5.	Optional fields	Check all the optional fields when filling data	1. Enter valid data in optional fields 2. Enter valid data in required fields 3. Click on the Register button	1. User should be registered successfully 2. A successful registration message should show 3. Mail should send to the user 3. Mail should send to the user	1. Users is registered successfully. 2. A successful registration message is shown. 3. Mail is sent to the user 3. Mail is not sent to the user	Pass Fail	Success Failure

6.	Email validation	Check email doesn't have a character@	1. Enter invalid email 2. Click on register button	it should show the validation message for valid email	it showed the validation message for valid email	Pass	Success
				it should show the validation message for valid email	it doesn't show the validation message for valid email	Fail	Failure
7.	Email validation	Check email have a character@	1. Enter valid email 2. Click on register button	Proceed to next page	Proceed to next page	Pass	Success
				Proceed to next page	Didn't proceed to next page	Fail	Failure
8.	Phone number validation	Check the phone number when not pass country code	1. Enter valid phone number without country code 2. Click on Register button	It should show the validation message for country code is required	It showed the validation message for country code is required	Pass	Success
					It didn't show the message	Fail	Failure
9.	Phone number validation	Check the phone number when passing country code	1. Enter valid phone number with country code 2. Click on Register button	It doesn't show any message	Proceeds to next step	Pass	Success
10.	Phone number validation	Verify if the length of the phone number is incorrect i.e., more than 10	1. Enter phone number less than 10 digits. 2. Enter all required fields. 3. Click on Register Button	It should show the validation error message for phone number length.	It showed the validation error message for phone number length.	Pass	Success
12.	Phone number validation	Verify if the length of the phone number is incorrect i.e., less than 10.	1. Enter phone number less than 10 digits. 2. Enter all required fields. 3. Click on Register Button	It should show the validation error message for phone number length.	It showed the validation error message for phone number length.	Pass	Success

13.	Password validation	Check the password limit when enter value less than min	1. Enter value which is alphanumeric but less than 8. 2. Click on Register button	It should show validation message	It showed validation message	Pass	Success
					It didn't show the message	Fail	Failure
14.	Password validation	Check the password limit when enter value greater than max	1. Enter alphanumeric value but more than 32. 2. Click on Register button	It should show validation message	It showed validation message	Pass	Success
					It didn't show the message	Fail	Failure
15.	Password validation	Check the password is having at least one special character	1. Enter the password without special character 2. Click on register button	It should show a validation message	It shows a validation message	Pass	Success
					It didn't show the message	Fail	Failure
16.	Password validation	Check the password is having at least one special character	1. Enter the password without special character 2. Click on register button	It doesn't show any message	It doesn't show any message	Pass	Success
17.	Required fields	Verify user can verify its Email ID	1. Go to the Email. 2. Click on the verification link.	User should get a verification link and able to verify his/her Email ID.	User gets a verification link and able to verify his/her Email ID.	Pass	Success
				User should get a verification link and able to verify his/her Email ID.	User Didn't get a verification link and not able to verify his/her Email ID.	Fail	Failure
18.	User Interface	Check all the text boxes and buttons	Check Page	UI should be perfect and Text boxes and button should be aligned	UI should be perfect and Text boxes and button should be aligned	Pass	Success
19.	User login	Check When passing a correct email	1. Enter valid username 2. Enter incorrect	Shows a message "Invalid password"	Shows a message "Invalid password"	Pass	Success

		and invalid password	password 3. Click on Login Button		Didn't show any message	Fail	Failure
20.	User login	Verify when passing incorrect Email and correct password	1. Enter incorrect Email. 2. Enter the correct password. 3. Click on the Login Button.	Shows a message "Invalid email id"	Shows a message "Invalid email id"	Pass	Success
					Didn't show any message	Fail	Failure
21.	User login	Verify when passing incorrect Email and incorrect password	1. Enter incorrect Email. 2. Enter the incorrect password. 3. Click on the Login Button.	Shows a message "Invalid email id and password"	Shows a message "Invalid email id and password"	Pass	Success
					Didn't show any message	Fail	Failure
22.	User login	Check when pass correct email and password	1. Enter valid username 2. Enter valid password 3. Click on Login Button	Directs to the home page	Directs to the home page	Pass	Success
					Stays in same page	Fail	Failure
23.	Signup Option for new users	Check whether the signup link for the new user is working	Click Signup link	Clicking signup link takes the user to signup page successfully	Directs to sign up page	Pass	Success
					Stays in same page	Fail	Failure
24.	Forgot Password	Check whether forgot password is working	Click on forgot password	Opens a dialogue box where registered email id is asked	Dialogue box is opened	Pass	Success
25.	Forgot Password	Check password link is sent to email id	1. Enter the registered email id in the given box 2. Click the submit button	Password link will be sent to the registered email id	Password link is sent to the registered email id	Pass	Success
					Link is not sent	Fail	Failure

26.	Reset Password	Verify user able to reset his/her password (With given rules)	1. Go to the reset password link. 2. Enter a new password and a confirm password. 3. Click on the Reset Password button.	Users should get the success message and the password should get reset.	Users got the success message and the password should get reset.	Pass	Success
			1. Enters password without the rules	Users get an error message	Users got an error message	Pass	Success
27.	Reset Password	Verify user should get an error message when password and confirm password not matches	1. Go to the reset password link. 2. Enter a password and a different confirm password. 3. Click on the Reset Password button.	Users should get an error message.	User got an error message	Pass	Success
28.	User login	Verify user should able to login with a new password.	1. Enter the email id 2. Enter the new password 3. Click on login button	Directs to home page	Home page is opened	Pass	Success
					Home page is not opened	Fail	Failure
29.	Login page	Verify "keep me signed in" checkbox	1. Enter the valid data 2. Put a tick on the check box 3. Click on login button	Login credentials are saved for future use and directs to home page	Home page is opened	Pass	Success
30.	Login page	Verify "keep me signed in" checkbox	1. Enter the valid data 2. Put a tick on the check box 3. Do not click on login button	Directs to home page	Home page is opened	Pass	Success
					Home page is not opened	Fail	Failure

29.	User interface	Check all buttons, search function	Check the page	User able to operate all the functions	User able to operate all the functions	Pass	Success
30.	Home page	Verify user name is displayed	Check the page	User able to see username on top right corner	User able to see username on top right corner User cannot view username	Pass Fail	Success Failure
31.	Home page	Verify that featured ads are displayed	Check the page	User able to view the ad's	User able to view the ad's	Pass	Success
32.	Home page	Verify that user able to select the ad's	1.Click on the ad's	Redirects to the respective ad page	Respective ad page is opened	Pass	Success
33.	Home page	Verify that user profile section is present	Check the page	User profile section is present in top right corner	User profile section is present in top right corner	Pass	Success
34.	Home page	Verify that subscription offers displayed is categorized	Check the page	User should view the offers in a categorized way	User able to view the offers in a categorized way	Pass	Success
35.	Search function	Verify that search fields accept alphabets, numbers, symbols	1.Click on search button 2.Enter text in search bar	Search field should accept the text Search field should accept the text	Search field accepted the text Search field not accepted the text	Pass Fail	Success Failure
36.	Search function	Search function operation must be performed	1.Click on search button 2.Enter text 3.Click on search icon	Apps should be displayed related to the given text	apps are listed Apps are not listed	Pass Fail	Success Failure
37.	Search function	Searching apps which are not in the list	1.Click on search button	Shows a message	Shows a message	Pass	Success

			2. Enter text not in the list 3. Click on search icon	"No results found"	"No results found"		
38.	Profile page	Verify Profile picture is set	1. Click on profile icon 2. Check the profile picture	User should be able to set his/her profile picture	User able to set his/her profile picture User not able to set picture	Pass Fail	Success Failure
39.	Profile page	Verify that each field in profile page is editable	1. Click on profile icon 2. Click on each field on that page	User should be able to edit all his/her details	User able to edit all his/her details User not able to edit his/her picture	Pass Fail	Success Failure
40.	Profile picture	Verify that updated data should persist after refreshing the page or not	1. Update data in profile page 2. Refresh the page and check	User should be able to view the updated data	User able to view the updated data User cannot view the updated data	Pass Fail	Success Failure
41.	Accounts page	Verify that all the linked accounts are shown	1. Click on accounts icon	Linked accounts should be shown	Linked accounts are shown Linked accounts are not shown	Pass Fail	Success Failure
42.	Accounts page	Verify that no linked accounts are shown if not added	1. Click on accounts icon	Shows a message "We'll notify once subscriptions are added"	Shows a message "We'll notify once subscriptions are added"	Pass	Success
43.	Main page	Verify that added subscriptions will be shown	1. Click On grotto icon	Added subscriptions list should be shown	Added subscriptions list is shown List is not shown	Pass Fail	Success Failure
44.	Main page	Verify that subscriptions will be not be	1. Click on grotto icon	Shows a message	Shows a message	Pass	Success

		shown if not added		"We'll notify once subscriptions are added"	"We'll notify once subscriptions are added"		
45.	Main page	Check that Add symbol is present and is working if we click	1.Click on grotto icon 2.Click on Add button	All the subscription apps should be shown in list	All the subscription apps are shown in list List is not shown	Pass Fail	Success Failure
46.	Adding of subscriptions	Checking whether user able to add the subscriptions	1.Click on grotto icon 2.Click on add button 3.Click on desired app you want to add	User should be able to view all the plans of that app	User is able to view all the plans of that app Not able to view the plan	Pass Fail	Success Failure
47.	Addition of subscriptions	Verify that subscription app is added to the list	1.Click on grotto icon 2.Click on add button 3.Click on desired app	User must be able to select the registered plan of that app	User is able to select the registered plan of that app Not able to select the plan	Pass Fail	Success Failure
48.	Addition of subscriptions	Verify that "know your plan" link is available	1.Click on grotto icon 2.Click on add button 3.Click on desired app 4.Click on "know your plan link"	Redirects to the subscription app and there you can view your plan	Redirects to the subscription app and there you can view your plan	Pass	Success
49.	Addition of subscriptions	Verify that a validation message is shown	1.Add the desired app with registered plan 2.Click on add plan	Shows a message "Your platform is added successfully"	Shows a message "Your platform is added successfully"	Pass	Success
50.	Add the subscription	Verify that app is added to the list	1.Click on grotto icon 2.Click on add button 3.Click on desired app	User will be able to view the app in the list	User is able to view the app in the list	Pass	Success

			and registered plan 4. Click on add plan		User is not able to view the app in the list	Fail	Failure
51.	Unlocking for more platforms to add	Verify that page is redirected to selection of plan for grotto app after 3 free additions of apps	1. Click on grotto icon 2. Click on add button (after 3 additions)	Redirects to the grotto app subscription page	Redirects to the grotto app subscription page Stays in same page	Pass Fail	Success Failure
52.	Selection of plan	Verify that plans are shown in the page	1. In subscription page of grotto 2. Select the desired plan	Plan should be selected from the given options	Plan is selected from the given options	Pass	Success
53.	Payment page	Verify that page is redirected when plan is selected	1. Select the desired plan for grotto app	Redirects to the payment page	Redirects to the payment page Stays in same page	Pass Fail	Success Failure
54.	Payment's page	Check if the system works correctly for different payment methods	1. Select a payment method in payment page	Payment method is selected	Payment method is selected	Pass	Success
55.	Payment's page (credit/debit card)	Verify that valid details (name, card no, CVV, expiry date) is entered	1. Select debit/credit card 2. Enter name, card no, CVV, Expiry date	It should not show any error message	It didn't show any error message	Pass	Success
56.	Payment's page (credit/debit card)	Verify that invalid details (name, card no, CVV, expiry date) is entered	1. Select debit/credit card 2. Enter name, card no, CVV, Expiry date	It should show an error message that "Card is not valid"	It shows an error message that "Card is not valid"	Pass	Success
57.	Payment's page (credit/debit card)	Verify that selected plan amount is shown and pay	1. Check if selected plan amount is shown 2. click on pay button	It shows a message that "Your payment is successful"	It shows a message that "Your payment is successful"	Pass	Success

			3.Enter the OTP				
58.	Payment's page (credit/debit card)	Verify that mail is sent that amount is debited	Check for the mail	Mail is received	Mail is received	pass	Success
59.	Payment's page (UPI app)	Verify that desired UPI app option is selected	1.Select a UPI app in payment options	UPI app is selected	UPI app is selected	Pass	Success
60.	Payment's page (UPI app)	Verify that the page is redirected to the UPI app	1.Select the UPI app	Redirects to the UPI app page	Redirects to the UPI app page	Pass	Success
61.	Payment's page (UPI app)	Verify that selected plan amount is shown and pay	1. Check if selected plan amount is shown 2. click on pay button	It shows a message that" Your payment is successful"	It shows a message that" Your payment is successful"	Pass	Success
62.	Payment's page (UPI App)	Verify that mail is sent that amount is debited	Check for the mail	Mail is received	Mail is received	pass	Success
63.	Payment's page (Net banking)	Verify that valid bank details (Account no, IFSC Code, name) are entered	1.Select Net banking option 2.Enter the bank details (Account no, IFSC Code, name)	It should not show an error message	It did not show an error message	Pass	Success
64.	Payment's page (Net banking)	Verify that invalid bank details (Account no, IFSC Code, name) are entered	1.Select Net banking option 2.Enter the bank details (Account no, IFSC Code, name)	It should show an error message that "Enter the correct details"	It showed an error message that "Enter the correct details"	Pass	Success
65.	Payment's page (Net banking)	Verify that selected plan amount is shown and pay	1. Check if selected plan amount is shown 2. click on pay button 3.Enter the OTP	It shows a message that" Your payment is successful"	It shows a message that" Your payment is successful"	Pass	Success
66.	Payment's page (Net banking)	Verify that mail is sent that amount is debited	Check for the mail	Mail is received	Mail is received	pass	Success

67.	Payment's page	Making card or bank as default option	1.Select the preferred payment option 2.Enter the valid details 3.Put a tick in the "select as default option" checkbox	Card or bank is selected as default option	Card or bank is selected as default option	Pass	Success
					Not selected as default option	Fail	Failure
68.	Home page	Verify that subscription is added for grotto app	Check the page after the payment	User should be notified by a message that "Your subscription is added"	User is notified by a message that "Your subscription is added"	Pass	Success
69.	Payment's page	Check if pop up appears if session has expired	1.Select any payment method 2.Enter valid details 3.Check network connection or any issue	User should get a message that "This session has been expired"	User received a message that "This session has been expired"	Pass	Success
70.	Payment's page	Check if the user is directed back to the application after a successful transaction.	1.Select payment method 2.Enter correct details 3.Pay the amount	User should be directed back to the application after successful transaction	User is directed back to the application after successful transaction	Pass	Success
					Stays in same page	Fail	Failure
71.	Offers page	Verify that desired offer is selected when clicked	1.Go to offers page 2.Select the desired offer	User should be able to select the desired offer	User is able to select the desired offer	Pass	Success
					Not able to select option	Fail	Failure
72.	Offers page	Verify that user is directed to payments page when offer is selected	1.Go to offers page 2.Select the desired offer 3.Click on "get the subscription" button	Redirects to the payment's page	Redirects to the payment's page	Pass	Success
					Stays in same page	Fail	Failure

73.	Offers page	Verify that offer is added to the respective subscription app	1. Got to offer page 2. Select the desired offer 3. click the grotto icon	User must view that offer is been selected to the respective platform	User is able to view that offer is been selected to the respective platform	Pass	Success
					Not able to view the offer	Fail	Failure
74.	Grotto coins page	Verify that number of coins are displayed that user earned	1. Click on Gcoins icon 2. check the no of coins	Coins should be displayed in screen to the user	Coins are displayed in screen to the user	Pass	Success
					Coins are not displayed	Fail	Failure
75.	Reference to friend's	Verify that certain amount user should get once we send an invitation and they accept it	1. Click on refer to a friend option 2. Send an invitation	User should get certain amount once they accepted	User received certain amount once they accepted	Pass	Success
					User didn't receive any amount	Fail	Failure
76.	Cashback options	Verify that user should Get few options after their cashback	1. Click on the notification once they get cashback	User must be able to select the options	User is able to select the options	Pass	Success
					Not able to select the options	Fail	Failure
77.	Cashback options	Verify that if user selects "convert to coins" option, coins get added	1. Select "convert to coins" option 2. go to Gcoins page	User should able to view that coins are added	User is able to view that coins are added	Pass	Success
					Not able to view the coins added	Fail	Failure
78.	Grotto wallet page	Verify that amount is displayed	1. Go to Gwallet page 2. Check the amount	Wallet balance should be displayed in the screen to the user	Wallet balance is displayed in the screen to the user	Pass	Success

					Wallet balance is not displayed	Fail	Failure
79.	Cashback options	Verify that if user selects “add to wallet” option, amount get added	1. Select “add to wallet” option 2. go to Gwallet page	User must be able to view that amount is added in the wallet	User is able to view that amount is added in the wallet Not able to view the amount	Pass Fail	Success Failure
80.	Gcoins page	Verify that usage of coins history is displayed	1. Go to Gcoins page 2. Click on history button	User should be able to view the history of coins usage	User is able to view the history of coins usage Not able to view the history	Pass Fail	Success Failure
81.	Gwallet page	Verify that usage of amount history is displayed	1. Go to Gwallet page 2. Click on history button	User should be able to view the history of amount used	User is able to view the history of amount used	Pass	Success
82.	Notification	Verify that user gets a notification when a new offer arrives	Check the grotto app notification	User gets a notification when a new offer arrives	User gets a notification when a new offer arrives User not getting a notification	Pass Fail	Success Failure
83.	Notification	Verify that user gets a notification when plan is about to expire	Check the grotto app notification	User gets a notification when a plan is about to expire	User gets a notification when a plan is about to expire	Pass	Success
84.	Collecting coins	Verify that when plan is renewed before expiry, coins are added	1. Click on grotto icon 2. Renew the plan before expiry 3. Check the coins in Gcoins page	User should be able to view the coins added	User should be able to view the coins added User not able to view the coins added	Pass Fail	Success Failure
85.	Logout page	Verify that app allows a single sign off on all devices	1. Click on logout option	User should log out on all devices	User log out on all devices	Pass	Success

					User not able to log out	Fail	Failure
86.	Logout page	Verify that after logging out, directs page to login page	1.Log out from the application 2.Check for the page	Redirects to the login page after log out	Redirects to the login page after log out Stays in same page	Pass Fail	Success Failure
87.	Wallet lock	Verify that there is an option in settings for wallet lock	1.Go to settings page 2.Select wallet lock	User should be able to select the wallet lock	User is able to select the wallet lock	Pass	Success
88.	Wallet lock	Verify that user gets 3 options (pin and password and pattern)	1.Go to settings page 2.Select wallet lock	User should get the options from the wallet lock	User able to view the options from the wallet lock User not able to view the options	Pass Fail	Success Failure
89.	Wallet lock(pin)	Verify that number should follow the rules (minimum of 4 digits)	1.Go to settings page 2.Select wallet lock 3.Enter valid number	User should get direct to confirm lock page	User is directed to confirm lock page Stays in same page	Pass Fail	Success Failure
90.	Wallet lock(pin)	Verify that number should not follow the rules (minimum of 4 digits)	1.Go to settings page 2.Select wallet lock 3.Enter invalid number	User should get a validation message	User gets a validation message	Pass	Success
91.	Security question	Verify that 2 questions are asked after setting the lock	1.Go to settings page 2.Select wallet lock 3.Set the lock 4.answer the questions	User should be able to answer the given questions	User is able to answer the given questions	Pass	Success
92.	Wallet lock (password)	Verify that password should not follow the rules (minimum of 4 characters)	1.Go to settings page 2.Select wallet lock 3.Enter invalid password	User should get a validation message	User gets a validation message	Pass	Success

93.	Wallet lock (password)	Verify that password should follow the rules (minimum of 4 characters)	1.Go to settings page 2.Select wallet lock 3.Enter valid password	User should get direct to confirm lock page	User is directed to confirm lock page	Pass	Success
					Stays in same page	Fail	Failure
94.	Wallet lock (pattern)	Verify that pattern is drawn	1.Go to settings page 2.Select wallet lock 3.Draw the pattern	User should get direct to confirm lock page	User is directed to confirm lock page	Pass	Success
					Stays in same page	Fail	Failure
95.	Security questions	Verify that if more than 3 times wallet lock is incorrect, ask the security questions	1.Go to wallet lock 2.Enter invalid lock more than 3 times	User should redirect to the security questions page	User is redirect to the security questions page	Pass	Success
					Stays in same page	Fail	Failure
96.	Support page	Verify that user able to view the options	1.Go to support page 2.View the options	User must be able to view the options(Call, chat, email)	User is able to view the options(Call, chat, email)	Pass	Success

Non-Functional Test Cases

Test ID (#)	Test Scenario	Test Case	Execution Steps	Expected Outcome	Actual Outcome	Status	Remarks
1.	Application response time	Time taken for application to load	Load the page	Application should take less time to load	Application is taking less time to load	Pass	Success
					Takes more time to load	Fail	Failure
2.	Application processing time	Time taken for application to perform functions	Check the page	Application should take less time to perform	Application takes less time to perform	Pass	Success
					Takes more time	Fail	Failure

3.	Application response with different networks	application responding properly as required with network (2G, 3G, 4G, Wi-Fi) variations on device	Check with network	Application responding based on the network connected	Application responds based on the network connected	Pass	Success
4.	Application stability & scalability	Check if app works properly as required if the application stay in background/foreground	Check with mobile recent apps	Application working properly	Application working properly Application is not working properly	Pass Fail	Success Failure
5.	Application response with Network signal drop	application properly working with network fluctuations with proper error handling	Check with the internet connection	Application working properly	Application working properly Application not working properly	Pass Fail	Success Failure
6.	interaction with device interrupts, notifications and multitasking	Check if app works properly with device interrupts and multitasking	Check the page	Application working properly	Application working properly Application not working properly	Pass Fail	Success Failure
7.	Battery Usage	Check if app uses low battery while running	Check the Battery usage of the app	Application should use less battery	Application uses less battery	Pass	Success
8.	Timeout functionality	Verify the time out functionality of the login session	Check the logout time	Should logout automatically after certain period of time	Logged out automatically after certain period of time	Pass	Success
9.	Login page	Verify if a user should be able to login with the same credentials in different browsers at the same time	1.Enter the credentials in different browsers	User should be able to login	User is able to login	Pass	Success
10.	Login page	Verify if a user should be able to login with the same credentials in different browsers at the same time	1.Enter the credentials in different browsers	User should be able to login	User not able to login in another browser	Fail	Failure
11.	Recovery function	Verify that data is recovered after a	Check if updated	User should be able to view the updated details	User is able to view the	Pass	Success

		sudden crash or loss of network	details are not deleted		updated details User is not able to view the updated details	Fail	Failure
12.	Data and storage usage	Check if app uses less data and storage	Check the data and storage use of the app	Application should use less data and storage	Application uses less data and storage	Pass	Success
13.	Ease of installation	Making the application file compact and stable to install	Installation of the application	Application should be easy to install	Application is easy to install	Pass	Success
14.	Information in masked form	Verify if the credit card information is in a masked form.	1.Select debit/credit card method in payment options 2.Enter the details	User should enter the details of the card in masked form	Details of the card are in masked form	Pass	Success
					Not in masked form	Fail	Failure
15.	Verification	Verify if the OTP reaches only the verified number linked with the card.	1.Select debit/credit card method in payment options 2.Enter the details and pay the amount	User must ensure that he/she gets an OTP linked with the card	User must ensure that he/she gets an OTP linked with the card	Pass	Success
16.	Security	Check that the payment is happening through a secured channel. i.e. the link starts with HTTPS instead of the regular HTTP pages.	Check the payment's page	Payment should happen in secured channel	Payment is happened in secured channel	Pass	Success
17.	Transaction cancel	Verify if the transaction gets cancelled if the wrong OTP is entered.	1.select any payment method 2.Enter the details and click pay button 3.Enter invalid OTP	User should get a message that" Transaction is failed"	User get a message that" Transaction is failed"	Pass	Success
18.	Performance of the page	Check if the payment gateway does not crash if multiple users are	1.select any payment method	Page is not crashed while paying	Page is not crashed while paying	Pass	Success

		using it simultaneously.	2.Enter the details and click pay button		Page crashes while paying	Fail	Failure
19.	Performance of the page	Check if the processor is responding quickly.	Check the page	User should ensure that page is responding quickly	User should ensure that page is responding quickly	Pass	Success
20.	Performance	Check if once logged in, the back button does not log out the user from the application	1.Log in to the app 2.Press back button	User should not log out from the application	User is not log out from the application User log out from the app	Pass Fail	Success Failure
21.	Compatibility check	Verify the images display correctly in different browsers	Check the page	Images in the page should display correctly	Images in the page displayed correctly Image is not displayed correctly	Pass Fail	Success Failure
22.	Compatibility check	Verify the fonts are usable in different browsers	Check the page	Fonts in the page should display correctly	Fonts in the page are displayed correctly Fonts are not displayed correctly	Pass Fail	Success Failure
23.	Security Check	Verify the “View Source code” option is disabled and should not be visible to the user.	1.Click on “View source code” option	User should not able to view the source code	User not able to view the source code	Pass	Success
24.	Security check	Verify if the password is changed the user should not be able to login with the old password.	1.Enter the login credentials 2.Enter the old password	User should get a message that” Invalid Password”	User gets a message that” Invalid Password”	Pass	Success
25.	Security check	Verify if, any functionality is not working, the system should not display any application, server, or database	1.Login to the app 2.Check the error message	User should view the error message	User view the error message	Pass	Success

		information. Instead, it should display the custom error page.			User cannot view the error message	Fail	Failure
26.	Usability check	Icons are consistent within the application.	Check the page	Icons must be consistent with application	Icons are consistent with application	Pass	Success
					Icons are not consistent with application	Fail	Failure
27.	Usability check	Going back, undoing an action, or on touching the wrong item can easily be undone	Click wrong item	User should be able to easily come back	User is able to easily come back	Pass	Success
28.	Compatibility check	Check for the interrupt conditions like incoming calls, messages or notifications while using the app	Check the page	Application should not get crashed or stop working	Application is not crashed or stop working	Pass	Success
					Application gets crashed	Fail	Failure
29.	Compatibility check	The app should go into the background if there is an incoming call. After the call disconnects, it should again resume as it was before.	Check the page	Application should go to background if there is an incoming call	Application goes to background if there is an incoming call	Pass	Success
30.	Compatibility check	Verify that notifications and remainders are working as expected	Check for the notification and remainders sound	User should get a sound for the notification and remainder	User gets a sound for the notification and remainder	Pass	success
31.	Security check	Validate that confidential data is stored with encryption	Check for the confidential data	Confidential data is encrypted and secured	Confidential data is encrypted and secured	Pass	Success
32.	Logout page	Check the log out time of the application	1.Click the log out option	User should be logged out immediately	User is logged out immediately	Pass	Success
					Application takes time to log out	Fail	Failure

33.	Camera access	Verify that wallet lock option has access to camera	1.Go to wallet lock 2.Enter the lock more than 3 times	Application should detect the face using camera	Application detects the face using camera	Pass	Success
					Application do not detect the face	Fail	Failure
34.	Contact sync	Verify that application is able to access the contact list from phone	Check the page	User must be able to sync all the contacts	Application is able to sync all the contacts	Pass	Success
					Not able to sync contacts	Fail	Failure
35.	Performance check	Verify the adequacy of the page scrolling scenario	Check the page by scrolling	User must be able to scroll and no lag in operating	User is able to scroll and no lag in operating	Pass	Success
					There is a lag in operation	Fail	Failure
37.	Support page	Verify that user is able to call, chat and send a mail	1.Go to support page 2.Check all the 3 options	User must be able to call, chat and send an email	User is able to call, chat and send an email	Pass	Success
38.	Maintenance check	Check the application ability to update	Check the page	User should get a message to update the app if any changes made	User gets a message to update the app if any changes made	Pass	Success
39.	Compatibility check	Check the app performance with respect to various configurations	Check the app with various configurations	Application should run on specified configuration	Application runs on specified configuration	Pass	Success
40.	Compatibility check	Check the readability of text across various devices and OS versions	Check the page in various devices	User should be able to read the text properly on all devices	User is able to read the text properly on all devices	Pass	Success
					User not able to read texts properly	Fail	Failure

Result:

Thus, the test case manual has been created for the Grotto App.



School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	12
Title of Experiment	Manual Test Case Reporting
Name of the candidate	
Team Members	
Register Number	
Date of Experiment	

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

AIM: To prepare the manual test case report for the Grotto app

The current status of the Testing:

The implementation of Module 1 and module 2 i.e., Registration page, login page is in progress. Few modules are also in progress. Other modules are yet to start.

Present obstacles to proceed further:

Optimizing the App For all Devices and Mobile Screens:

From Android to iOS and Windows, all devices come with various screen size and resolutions, each offering unique environment and ecosystem to work on. This has become a challenge for us.

Battery life vs App performance:

The challenge here is to design a bug-free, high-performance app that doesn't devour excessive power. Testing battery performance for our app by releasing Beta version and check whether the app drains the device battery too quickly.

Changing mobile apps ecosystem:

In recent times, Mobile development technologies, hardware and software ecosystem of digital devices often experience frequent updates in regular intervals. It is a challenge for us to cope with design and testing the app for heterogenous device environments.

Interactive UI:

An app with attractive and expressive UI makes for most usable apps. But this is taking a lot of time.

Category	Progress Against Plan	Status
Functional Testing	Amber	In progress
Non-Functional Testing	Amber	In progress

Functional	Test Case Coverage (%)	Status
Module - 1 (Register page)	98%	In progress
Module -2 (Login Page)	50%	In-progress
Module – 3 (Home page)	15%	In-progress
Module – 4 (Profile page)	15%	In-progress
Module – 5 (Main page)	0%	Not started
Module – 6 (Payment's page)	0%	Not started
Module – 7 (Grotto page)	0%	Not started

Result:

Thus, the test case report has been created for the Grotto App.