



CHAT APPLICATION (WEB BASED)

SLOT: B1

FINAL REVIEW

By

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Software Requirements Specification

for
Chat Application
(Web based)

Version 1.0 approved

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Revision History

Name	Date	Reason For Changes	Version
V. Sai Nikhil	15/01/19	Clean interface	1.0

1. Introduction

1.1 Purpose

The purpose of the project is to make a chat application that has a private chat, group chat, celebration post and so on. This chat application helps people from far places to chat with people they communicate. This also helps to share posts and other videos to the people. The scope is to make the communication between the students and the faculty made easy. Students can clarify his/her doubts with faculty or with his fellow students. Faculties can post the events, workshops, or guest lectures as a post so that all students can see them.

1.2 Document Conventions

This document is made of words that are understood by the people. The document used following conventions.

DB	Data Base
Client	Client is the people who uses the system
Server	The connectivity between clients

1.3 Intended Audience and Reading Suggestions

This project is a prototype of the chat application that mainly focused on the students and faculty in educational purpose. This application can be used for other purposes and other fields with modifications, but as for now we are using it for the students and faculties so that the communication is possible for the students and faculty and for students to know more about the studies and clarify the doubts with his fellow students.

1.4 Product Scope

The scope of this chat application is to remove the communication gap between the students and the faculty. This chat application helps the students and faculty to communicate. Students have many doubts that faculty cannot be clarified since the time limit of the class is less and the teaching stuff is to be completed. Therefore, this application helps to solve this problem by asking the doubts in this application and faculty can clarify the doubts in their free time. If the student is absent, he/she can ask his fellow students about the details in-group chat. We do have much chat application, but this application has the clear interface and a post place for faculty about the events and guest lecture.

1.5 References

1. T. H. Croucher, M. Wilson, *Node: Up and Running.*, United States, 2012.

2. M. F. Haryadi, ANALISA DAN PERANCANGAN APLIKASI CHATTING BERBASIS WEB MENGGUNAKAN FLASH CS3., pp. 1-2, 2010.
3. K. Kumiarin, PENERAPAN MONGODB DAN CODEIGNITER PADA PERMAINAN KOKOLOGY., pp. 3-4, 2012.
4. B. Purnomosidi, Pengembangan Aplikasi Cloud Computing Menggunakan Node.js, 2013.
5. A. Rahmadini, Pembangunan Sistem Informasi Pengelolaan Inventaris Barang Divisi Pustekin Berbasis Web., Bandung:Politeknik Telkom, 2013.
6. B. Sidik, JavaScint., Bandung:Informatika, 2011.

2. Overall Description

2.1 Product Perspective

- **Chat Application:**

This chat application contain the following modules

1. Dashboard
2. Private chat
3. Group chat
4. Events
5. Logout

The basic chat application works on client server architecture. With these modules.

- **Client side:**

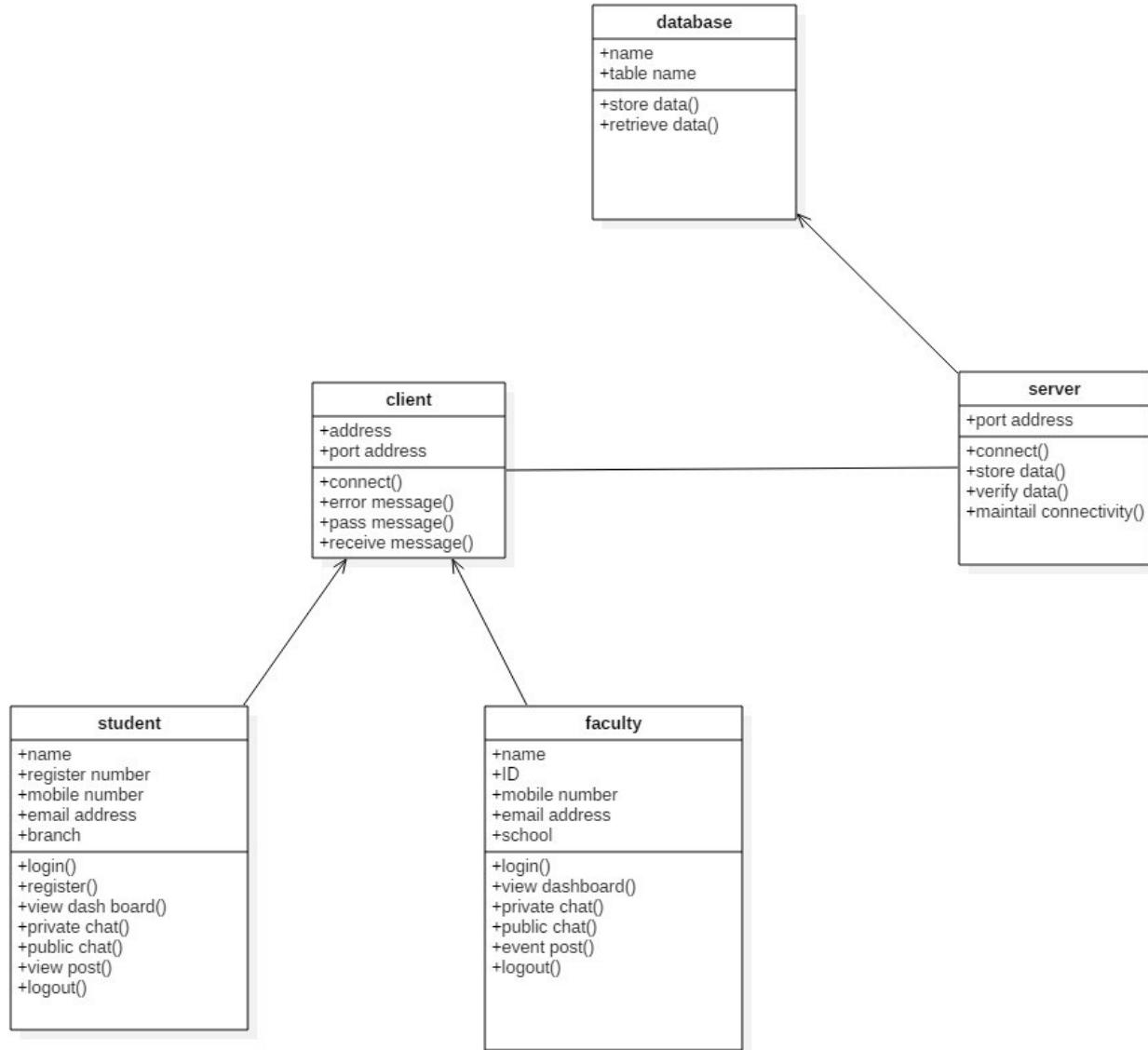
Client is the students or the faculty that uses the system. This contain the login details and register details that is stored in the database and verifies once the client login. They sends the messages from one to other or one to many.

- **Server side:**

Server is the one that act as an intermediate in transferring the message. This finds the address of the client whose message to be passed. Each client has an address that is present in the database. In private chat the server finds the name and corresponding address and of that and sends the message to the other client.

2.2 Product Functions

The main feature of chat application system are shown in below:



2.3 User Classes and Characteristics

Users of the system must be able to access the chat application with the main functionalities like send and receive messages. This is made possible with the connectivity of the client server. The client is connected to the server with the port address and send the messages.

The functionalities of the student are:

- Login
- Register
- Send message
- View message
- View event post

- Group chat
- Logout

The functionalities of the faculty are:

- Login
- Send message
- View message
- Post the event
- Group chat
- Logout

The functionalities of the administrator:

- Manage the faculty
- Add the faculty
- Manage students

2.4Operating Environment

Operating environment for the chat application are listed below:

- Distributed database
- Client-server system
- Operating system windows/Mac
- Database: local database
- Platform: web based/PHP

2.5Design and Implementation Constraints

1. The global schema, fragmentation schema, and allocation schema.
2. SQL commands for above queries/applications
3. How the response for application 1 and 2 will be generated. Assuming these are global queries. Explain how various fragments will be combined to do so.
4. Implement the database at least using a centralized database management system.

2.6User Documentation

The list of documents for the chat application are:

- Training tutorial
- User manual
- Detailed description

2.7Assumptions and Dependencies

Let us assume that the chat application system and it is used in following application:

- If the student could not find the faculty then he/she cannot send the message

- Faculty cannot register since the admin can only add the faculty to reduce the fake faculty list

Since the faculty cannot be registered, they need to contact the administrator for the addition. And the admin monitors the student with the valid details and if he finds the invalid details of the students, he will block the student with invalid details.

3. External Interface Requirements

3.1 User Interfaces

<Describe the logical characteristics of each interface between the software product and the users. This may include sample screen images, any GUI standards or product family style guides that are to be followed, screen layout constraints, standard buttons and functions (e.g., help) that will appear on every screen, keyboard shortcuts, error message display standards, and so on. Define the software components for which a user interface is needed. Details of the user interface design should be documented in a separate user interface specification.>

3.2 Hardware Interfaces

<Describe the logical and physical characteristics of each interface between the software product and the hardware components of the system. This may include the supported device types, the nature of the data and control interactions between the software and the hardware, and communication protocols to be used.>

3.3 Software Interfaces

<Describe the connections between this product and other specific software components (name and version), including databases, operating systems, tools, libraries, and integrated commercial components. Identify the data items or messages coming into the system and going out and describe the purpose of each. Describe the services needed and the nature of communications. Refer to documents that describe detailed application programming interface protocols. Identify data that will be shared across software components. If the data sharing mechanism must be implemented in a specific way (for example, use of a global data area in a multitasking operating system), specify this as an implementation constraint.>

3.4 Communications Interfaces

<Describe the requirements associated with any communications functions required by this product, including e-mail, web browser, network server communications protocols, electronic forms, and so on. Define any pertinent message formatting. Identify any communication standards that will be used, such as FTP or HTTP. Specify any communication security or encryption issues, data transfer rates, and synchronization mechanisms.>

4. System Features

This system organizing the functional requirements for the product by system features, the major services provided by the product. You may prefer to organize this section by use case, mode of operation, user class, object class, functional hierarchy, or combinations of these, whatever makes the most logical sense for your product.

4.1 System Feature 1

4.1.1 Description and Priority

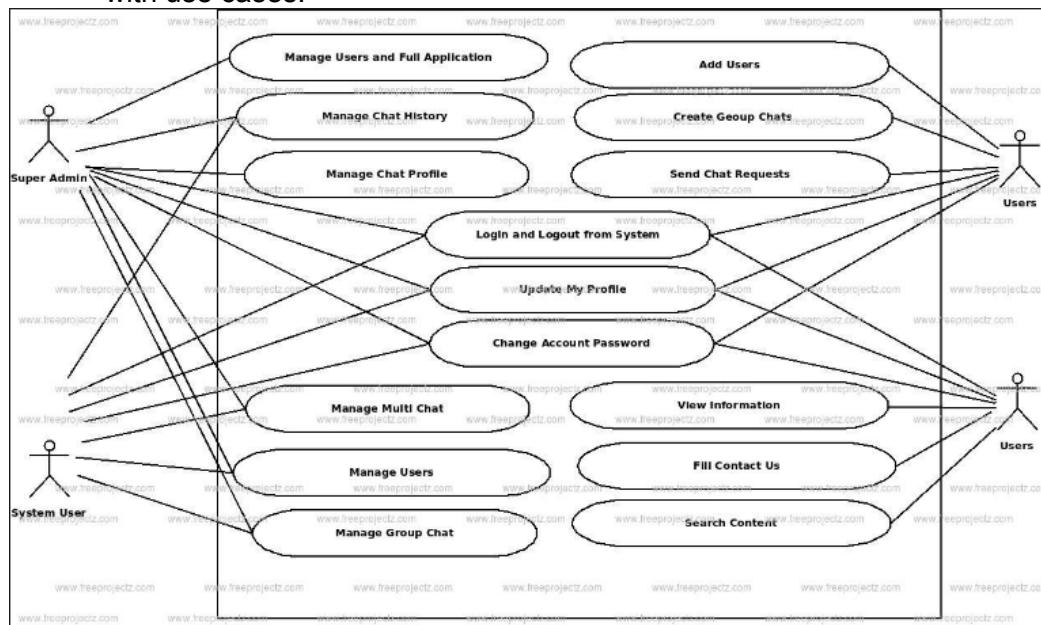
The risks in the system is little less when compared to the other chat application. Since the administrator monitors the system. However, there are some risks in the system.

Few of them with their priorities are:

Risks	Priority
Mismatch in requirement	L
Fake id of students	M
Fake id of faculty	L
Server problem	H
Problem with internet connectivity	M

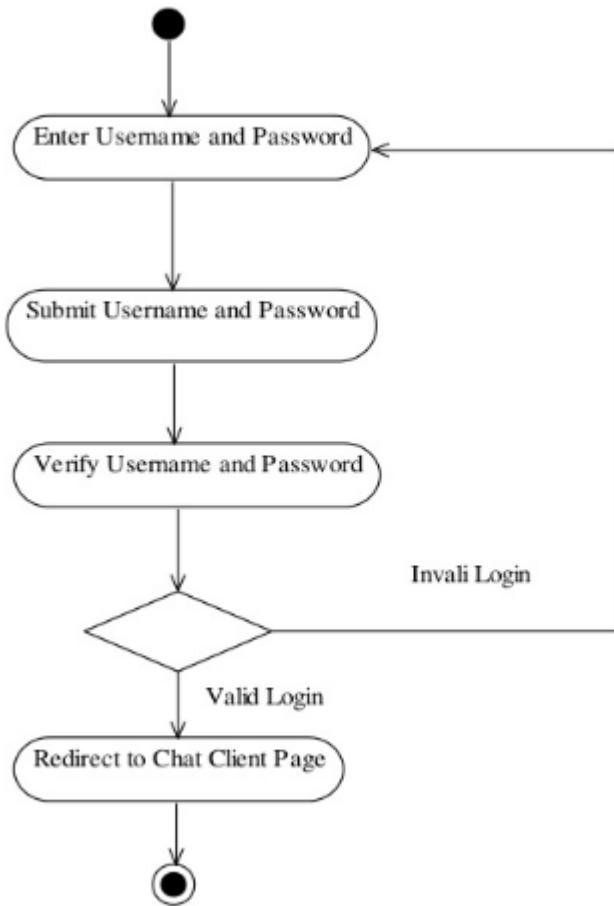
4.1.2 Stimulus/Response Sequences

List the sequences of user actions and system responses that stimulate the behavior defined for this feature. These will correspond to the dialog elements associated with use cases.



4.1.3 Functional Requirements

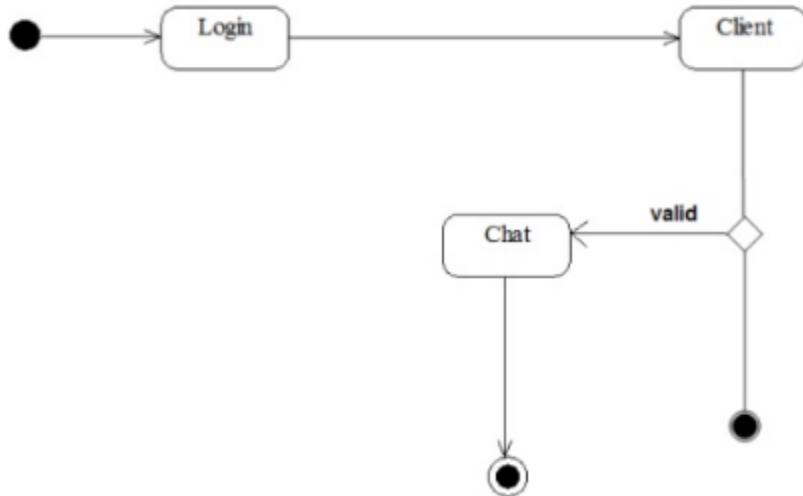
Itemize the detailed functional requirements associated with this feature. These are the software capabilities that must be present in order for the user to carry out the services provided by the feature, or to execute the use case. Include how the product should respond to anticipated error conditions or invalid inputs. Requirements should be concise, complete, unambiguous, verifiable, and necessary. Use “TBD” as a placeholder to indicate when necessary information is not yet available.



5. Other Nonfunctional Requirements

5.1 Performance Requirements

The performance requirements for the product under various circumstances, state them here and explain their rationale, to help the developers understand the intent and make suitable design choices. Specify the timing relationships for real time systems. Make such requirements as specific as possible. You may need to state performance requirements for individual functional requirements or features.



5.2 Safety Requirements

If there is extensive damage to a wide portion of the database due to catastrophic failure, such as a disk crash, the recovery method restores a past copy of the database that was backed up to archival storage (typically tape) and reconstructs a more current state by reapplying or redoing the operations of committed transactions from the backed up log, up to the time of failure.

5.3 Security Requirements

Security systems need database storage just like many other applications. However, the special requirements of the security market mean that vendors must choose their database partner carefully.

5.4 Software Quality Attributes

- **Available:** The chat application must be available for the faculty as well as students 24 x 7 as the student can messages anytime.
- **Correctness:** The message must not be changes and should be delivered as sent by the student or faculty
- **Secure:** The messages must be securely transferred and the validation of the users if the system must also be secured.
- **Maintainability:** The system must be easy to maintain by the administrator in removing the incorrect student from the chat and adding the faculty into it.
- **Usability:** The system must be easy to use for both student and faculty without any problem.

5.5Business Rules

The system follows the standards of IEEE and the system is built according to that.

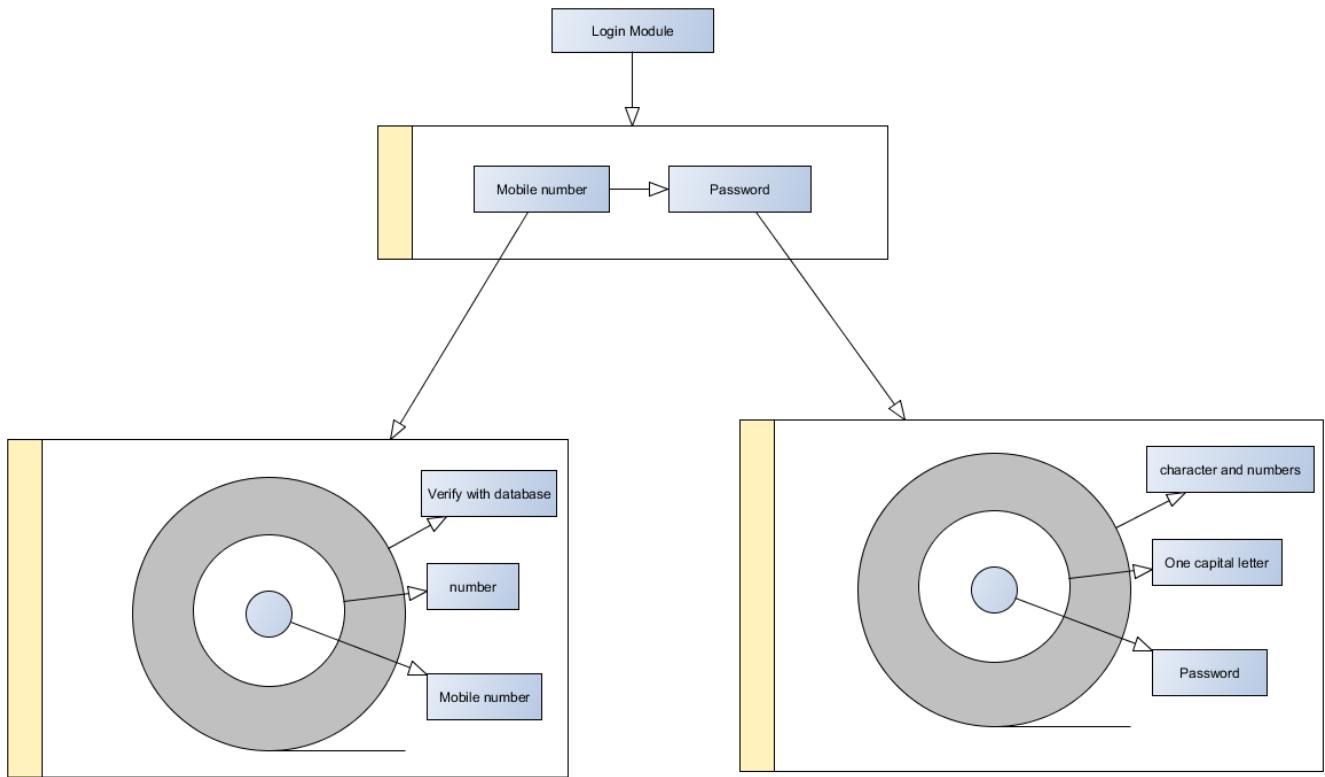
Design Document

Chat Application (Web based)

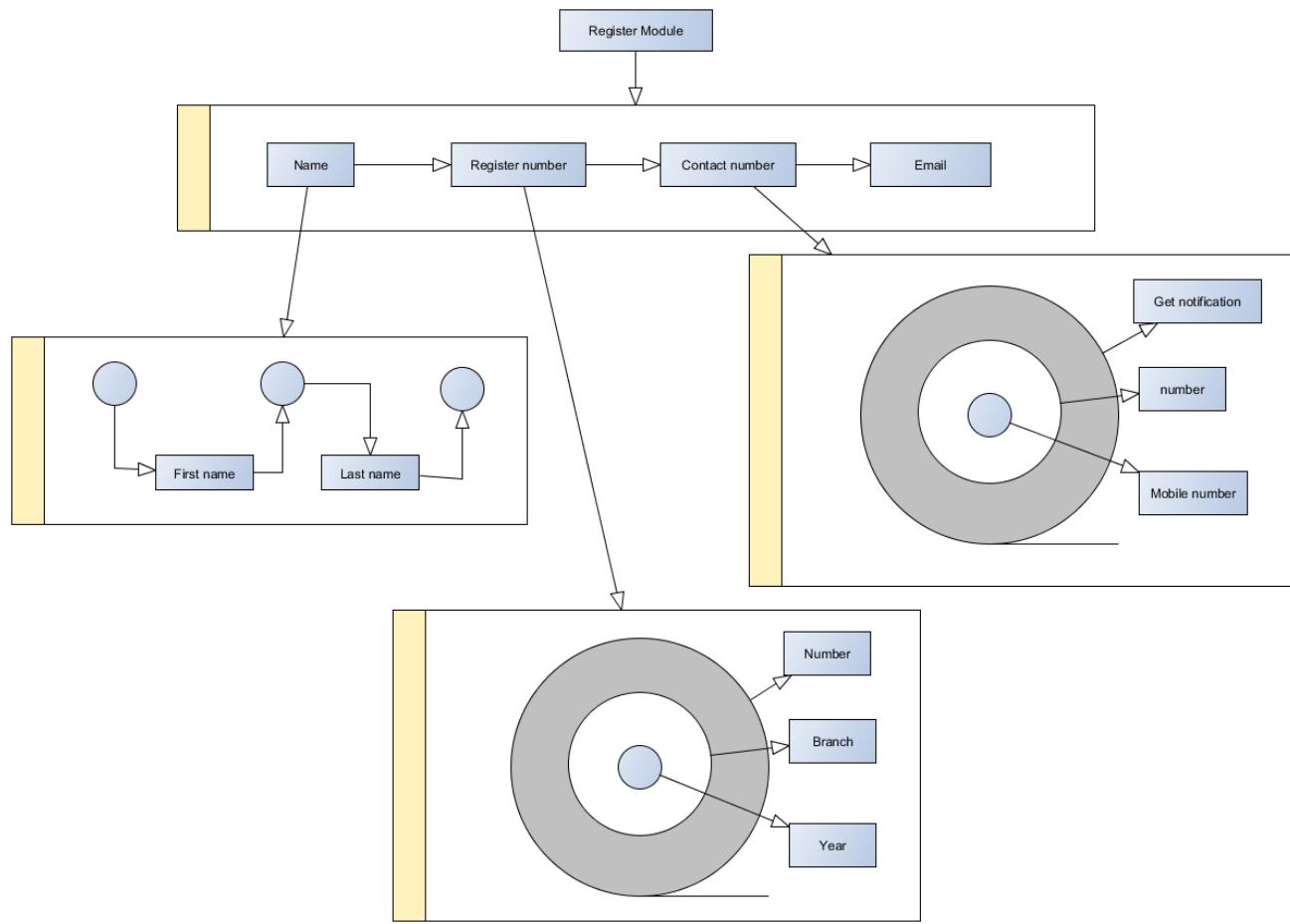
Modules in Chat Application:

1. Login module
2. Register module
3. Student module
4. Search student/faculty module
5. Search message module
6. Client Server module
7. Change password module
8. Group chat module
9. Block user module

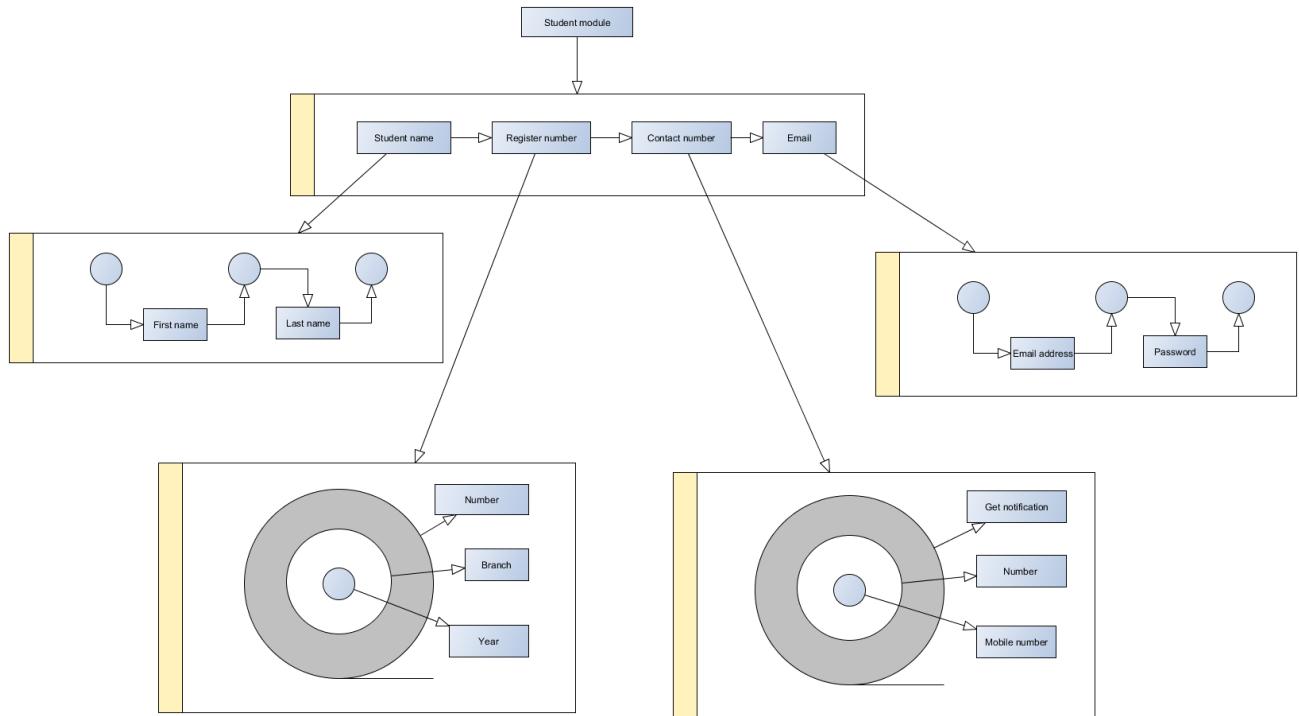
1.Login Module:



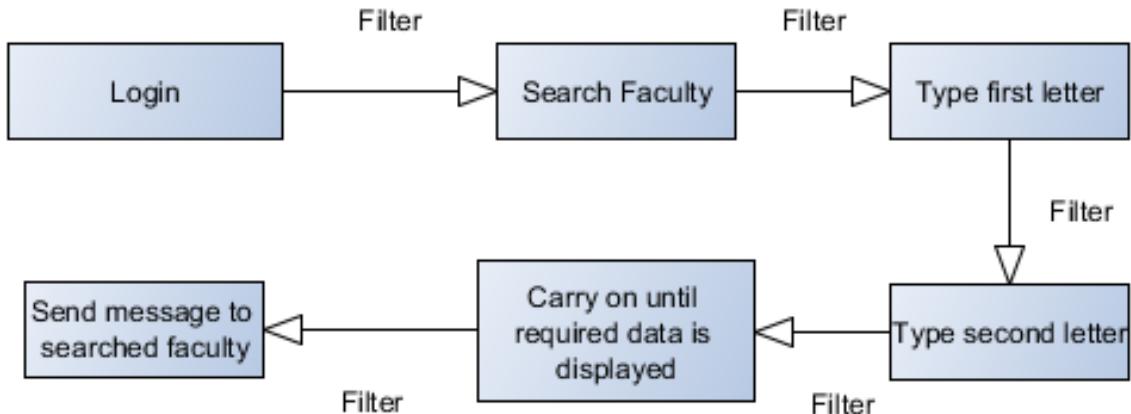
2.Register Module:

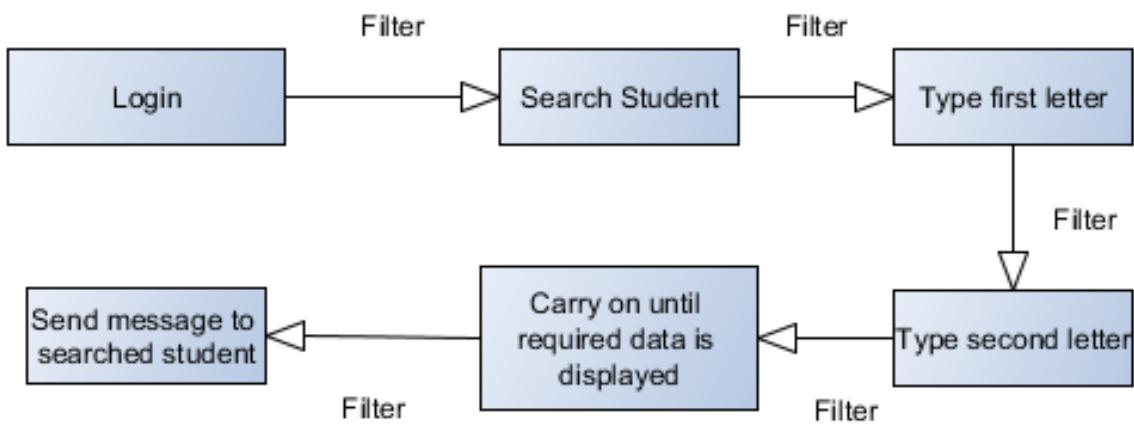


3. Student Module:

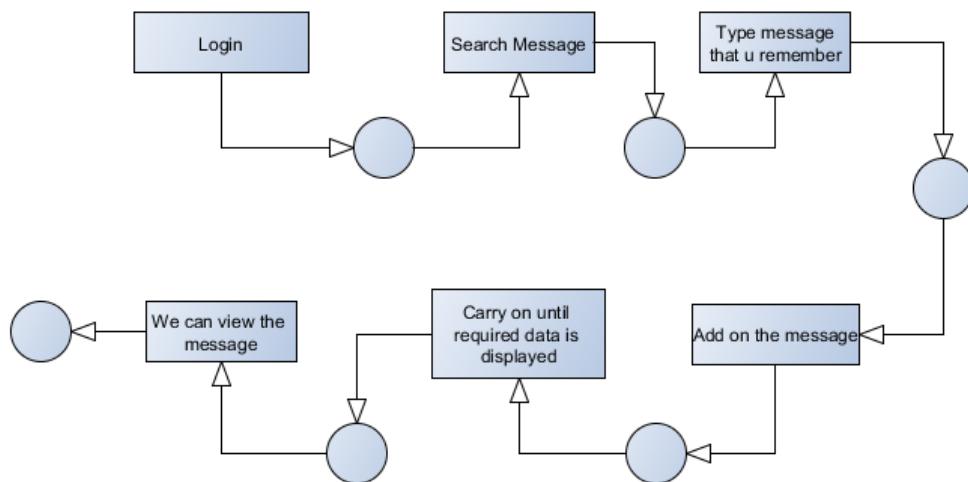


4. Search Student/Faculty Module:

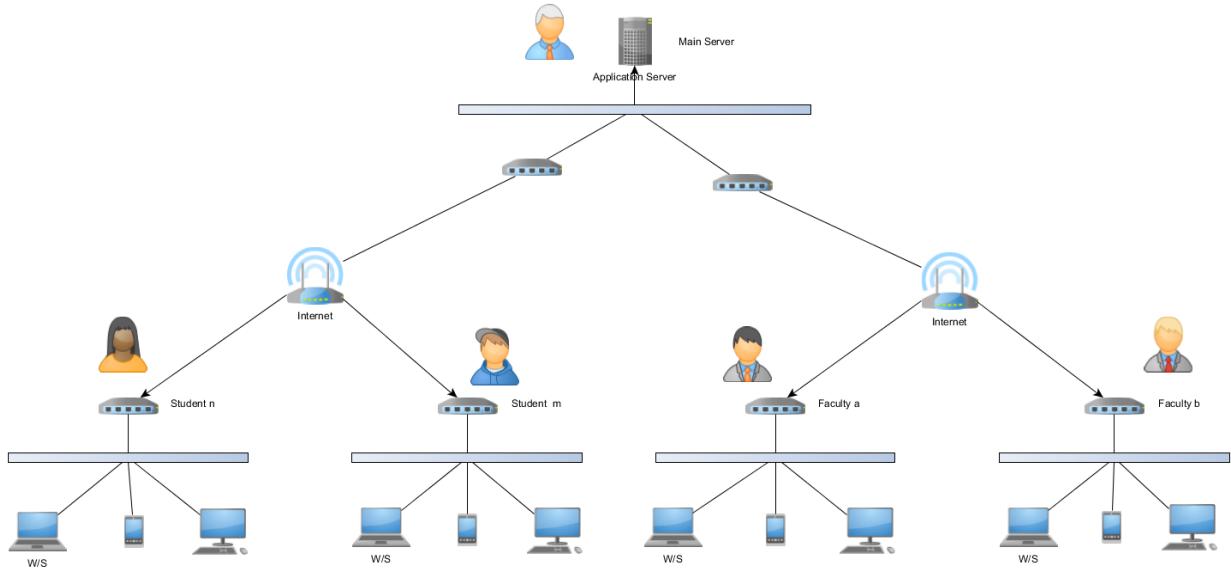




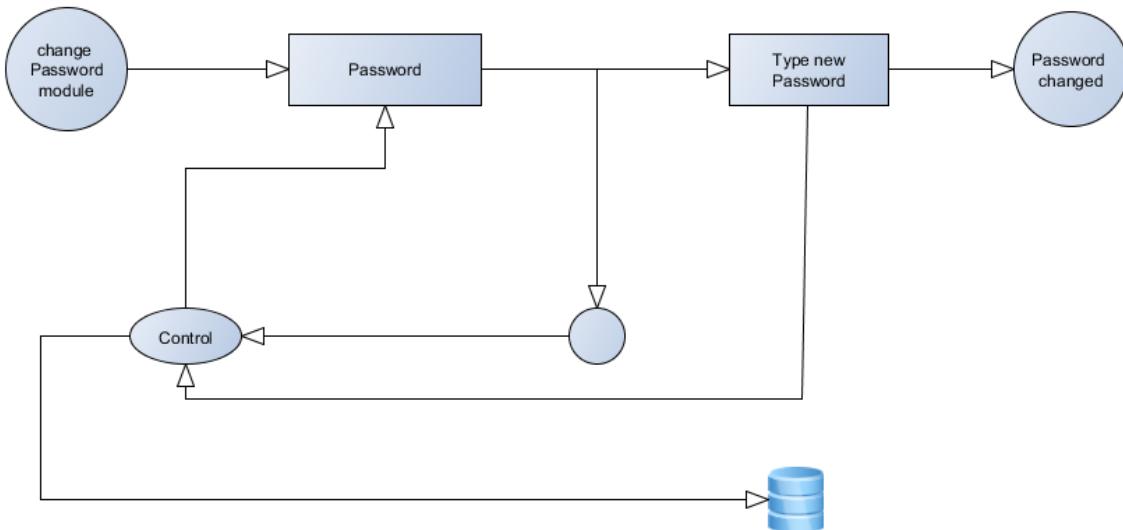
5. Search Message Module:



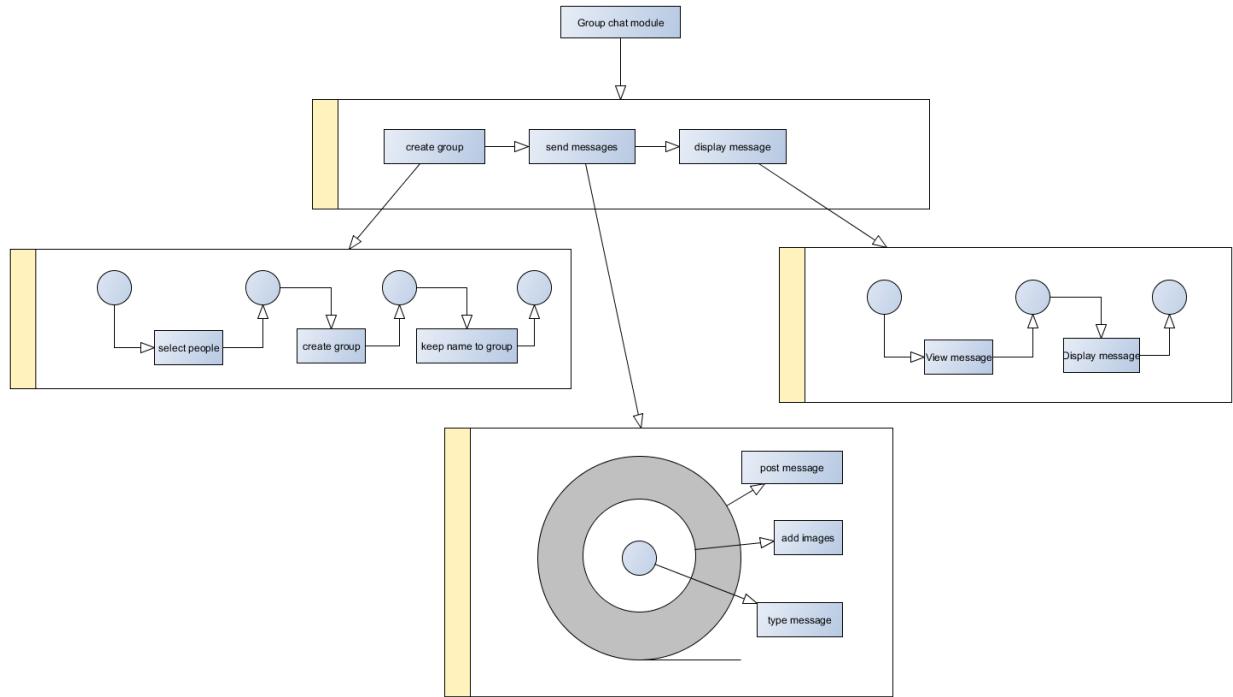
6. Client Server Module:



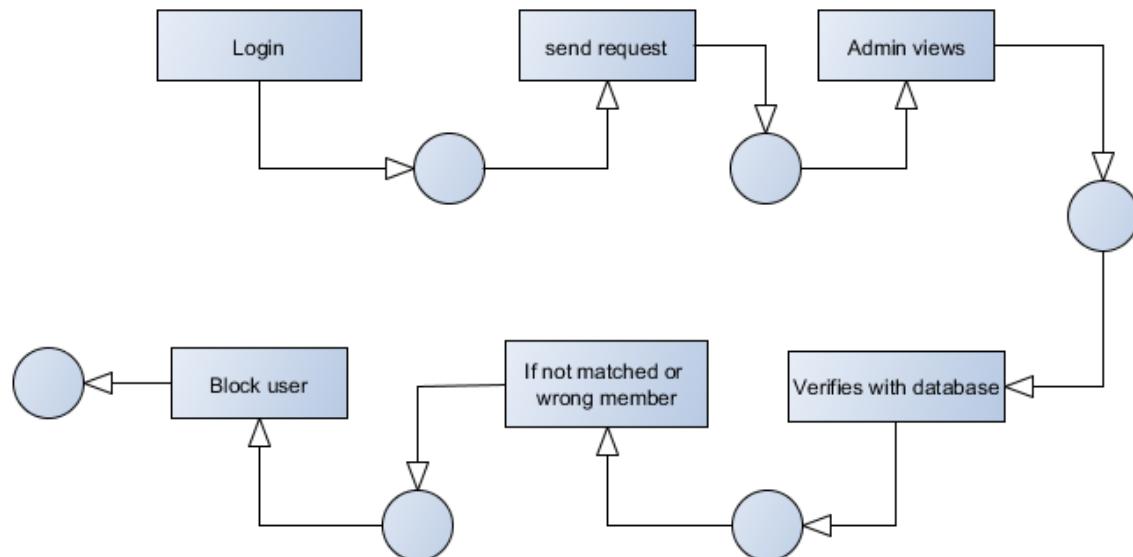
7.Change Password Module:



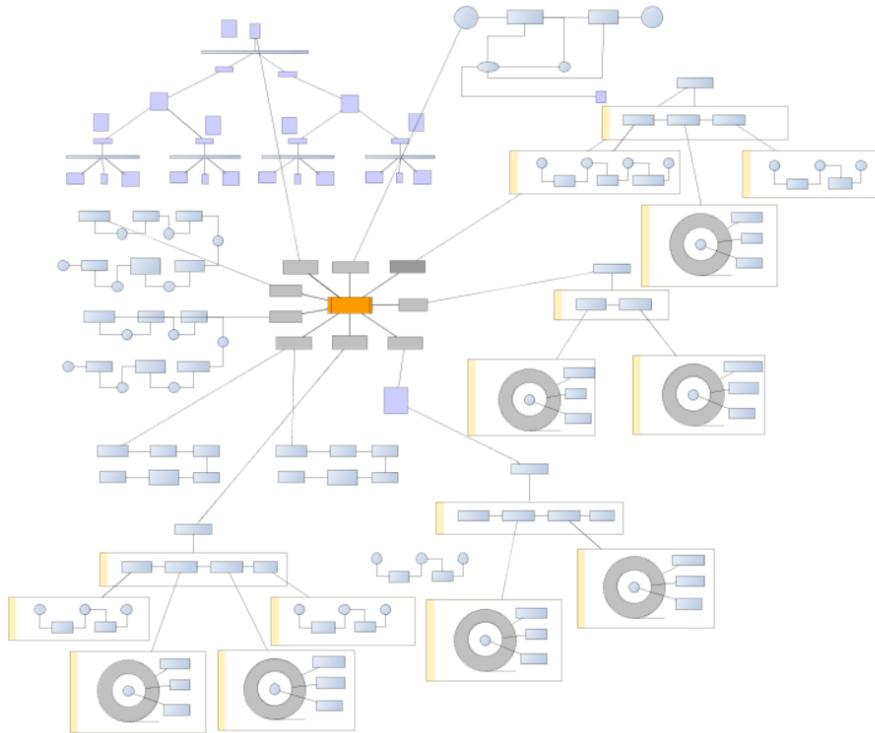
8.Group Chat Module:



9. Block User Module:

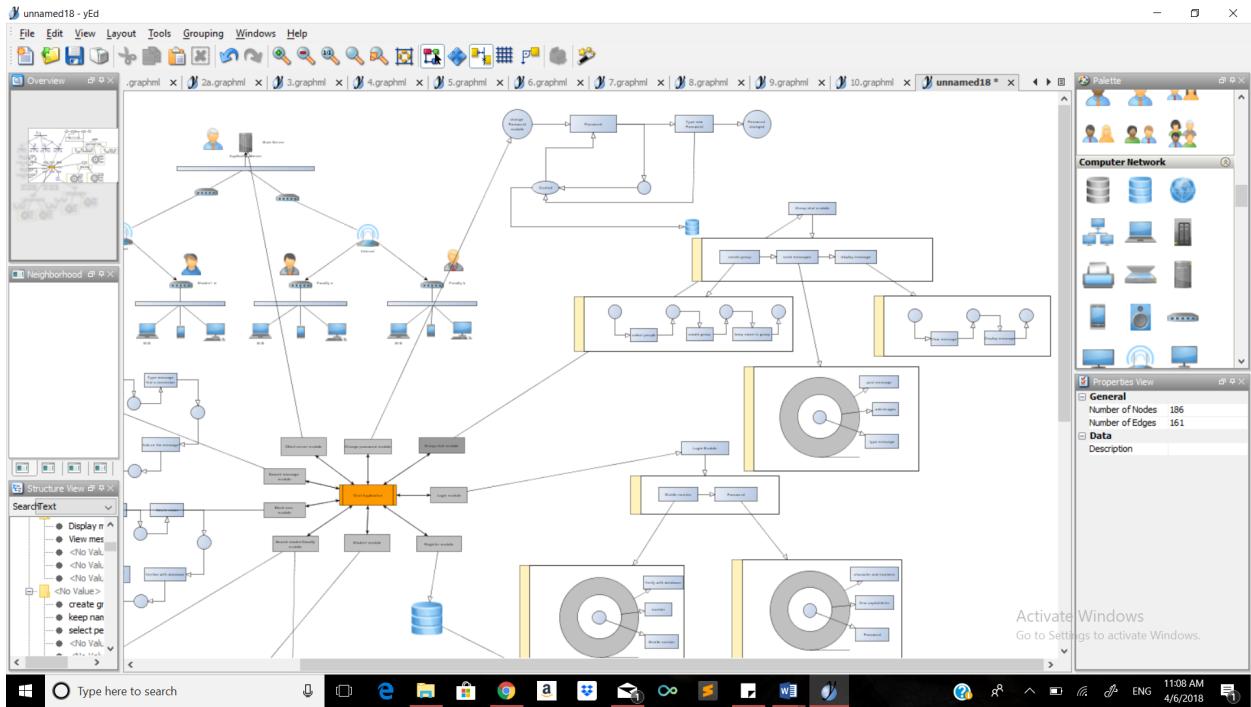
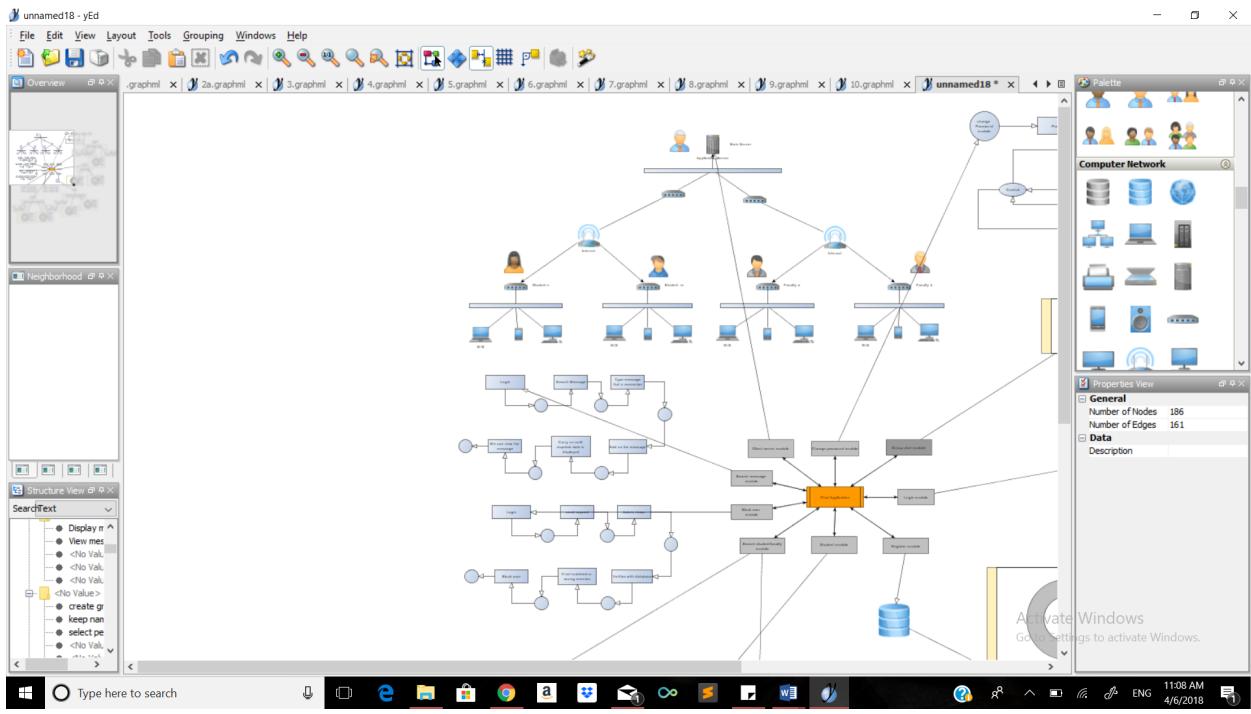


Mapping of Architectural styles with modules:



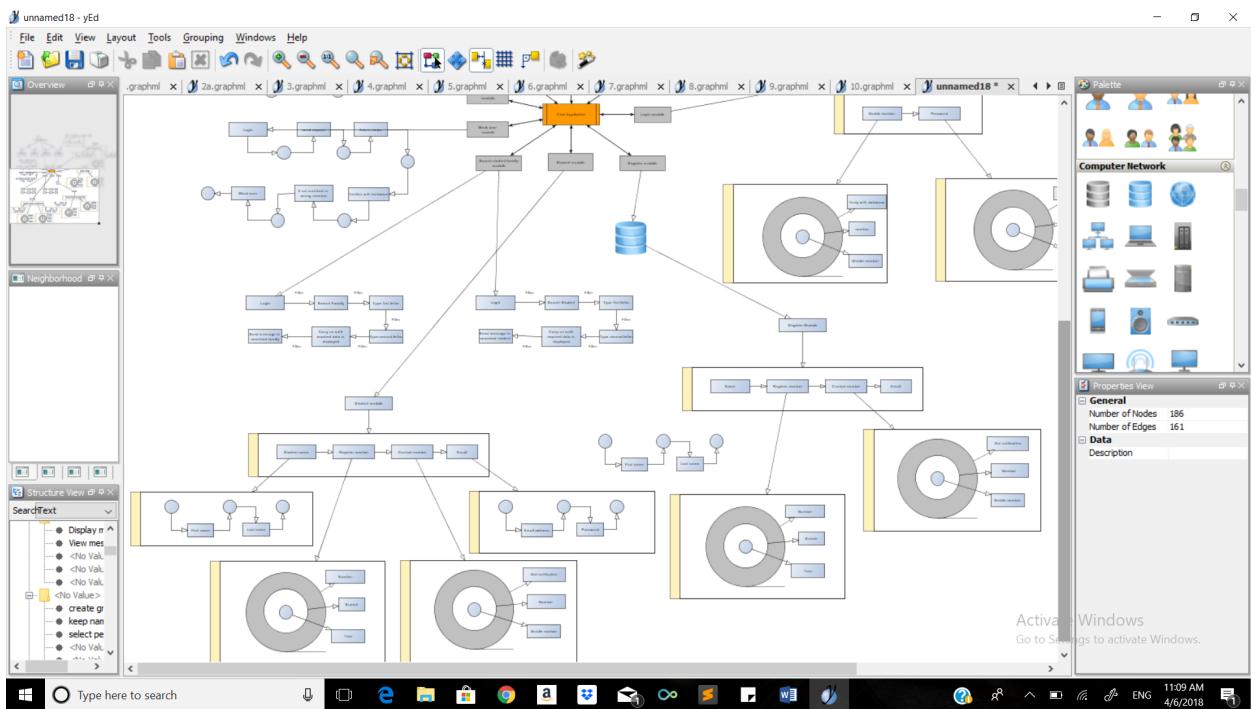
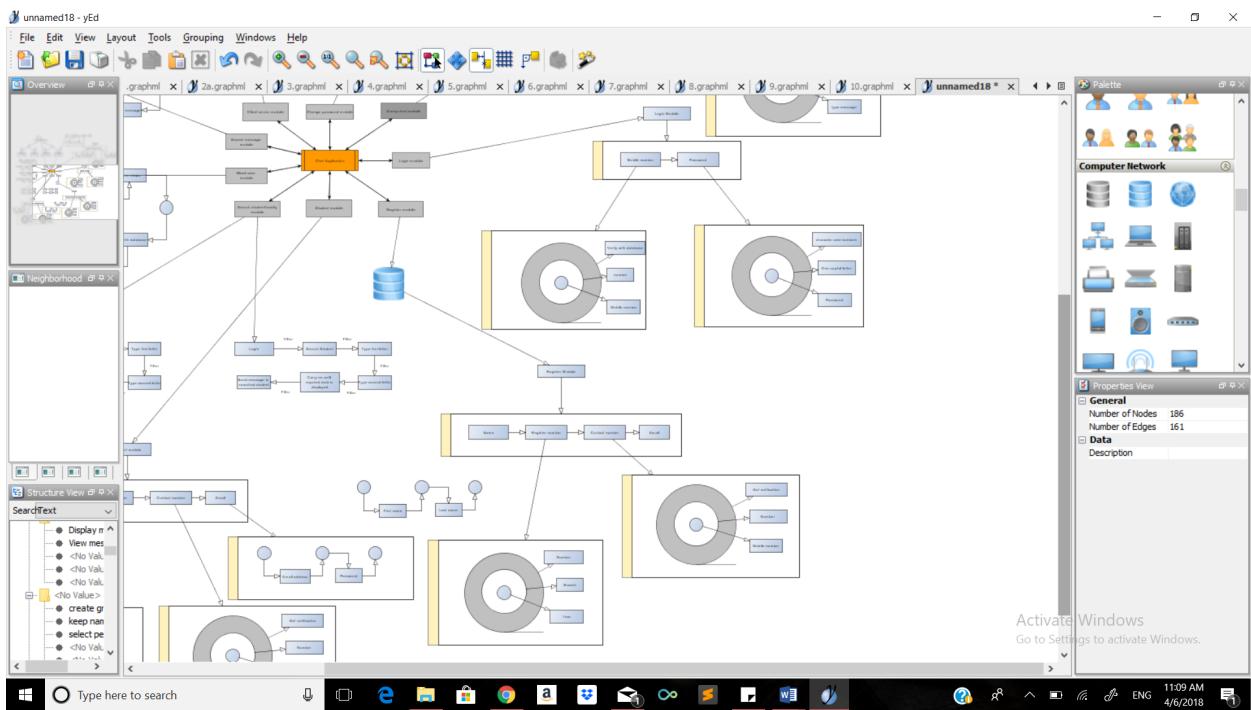
Software Requirements Specification for Chat Application

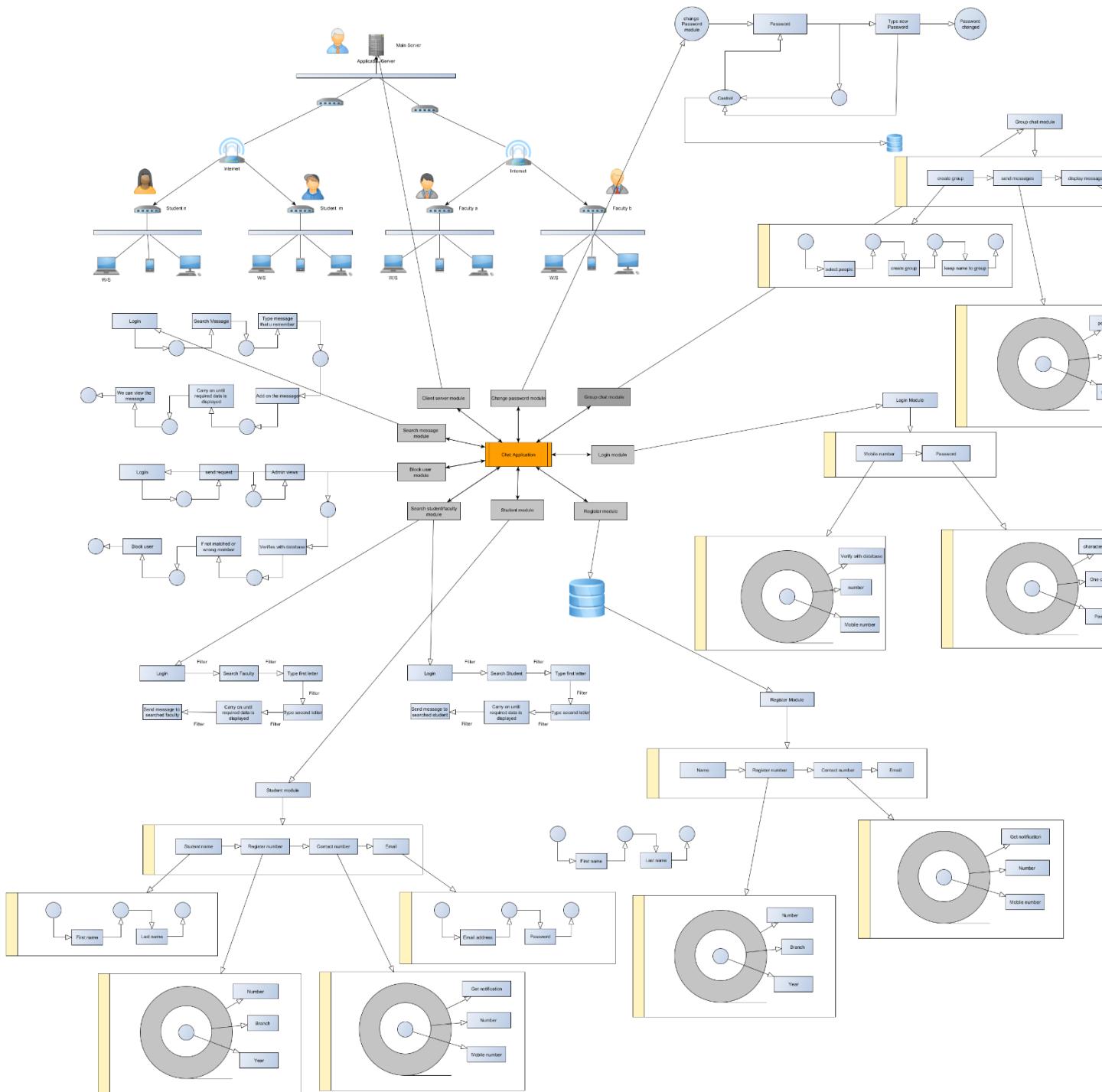
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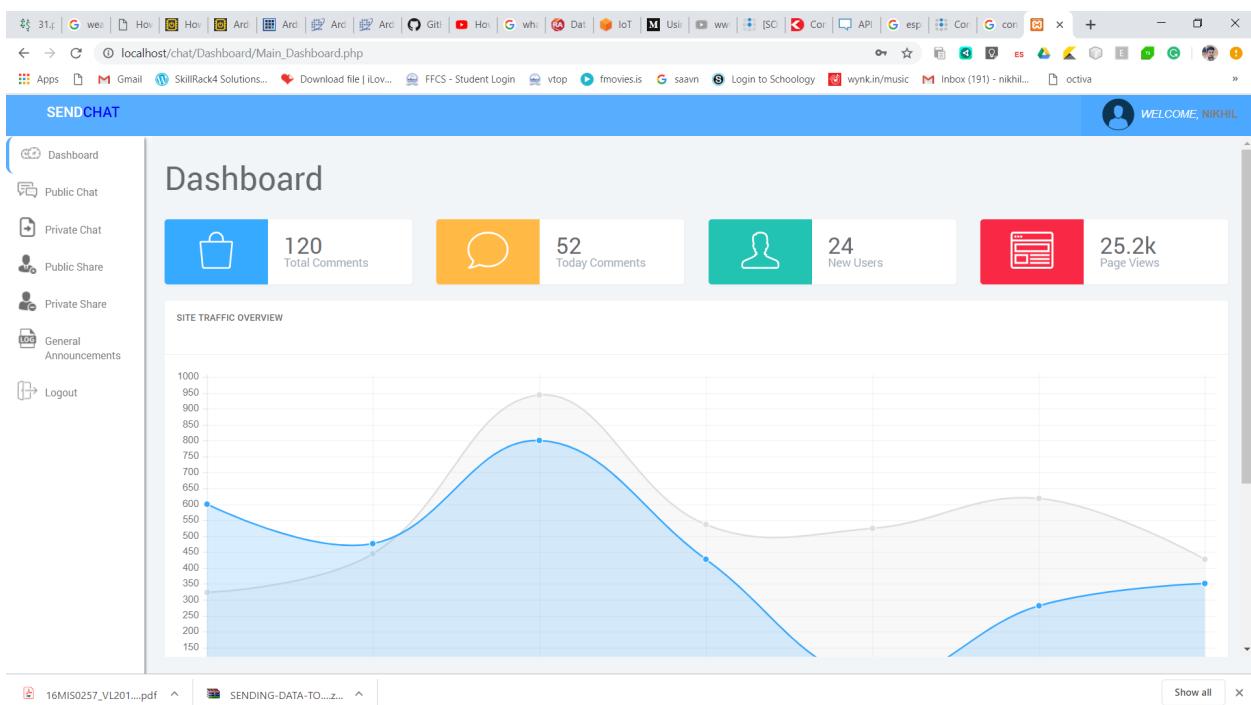
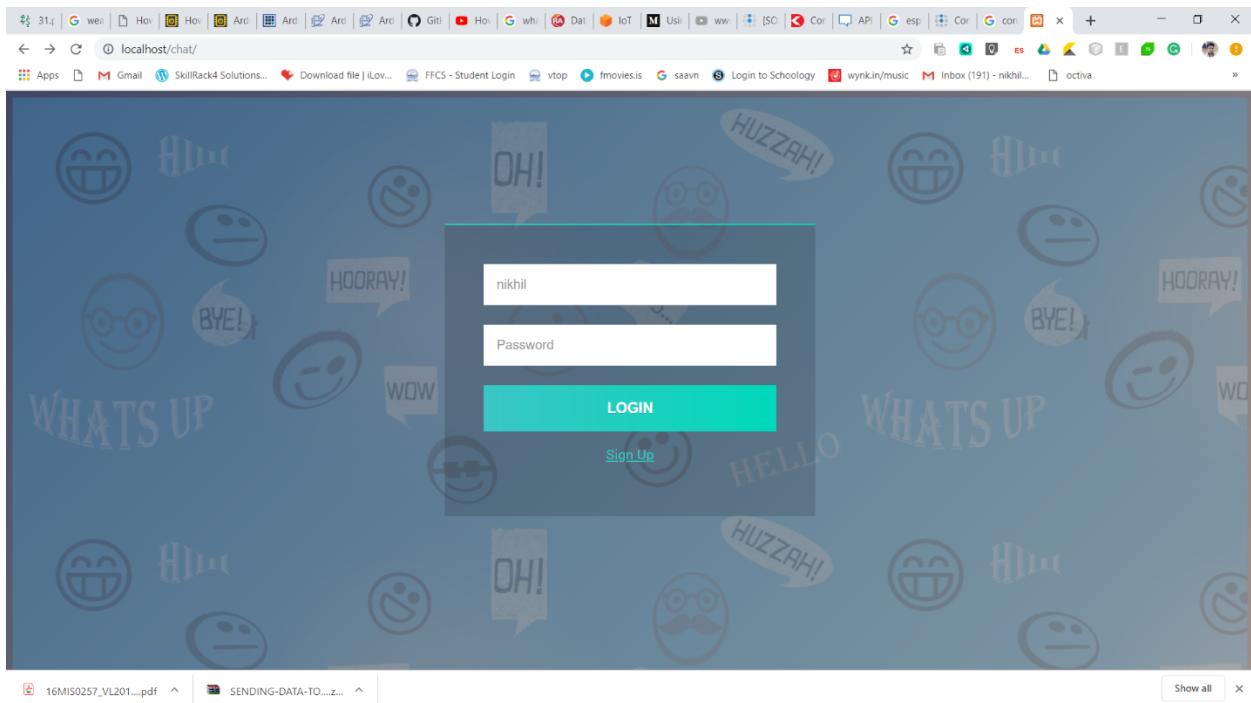
Software Requirements Specification for Chat Application

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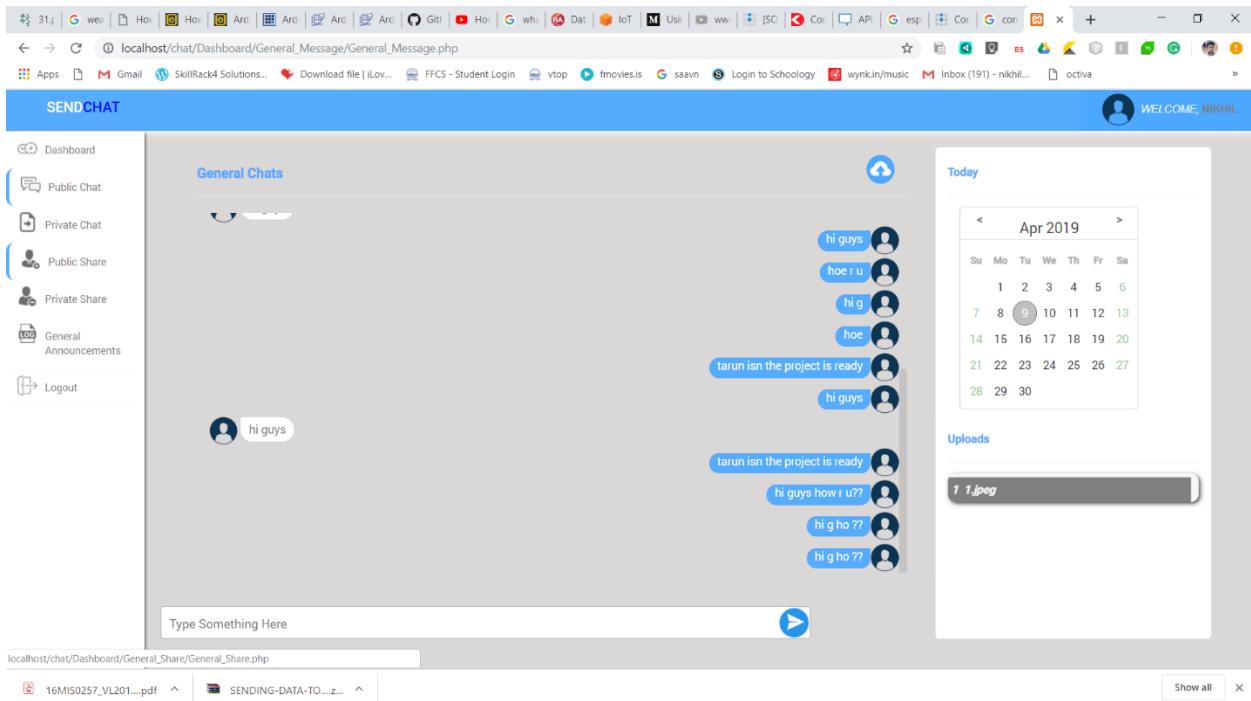
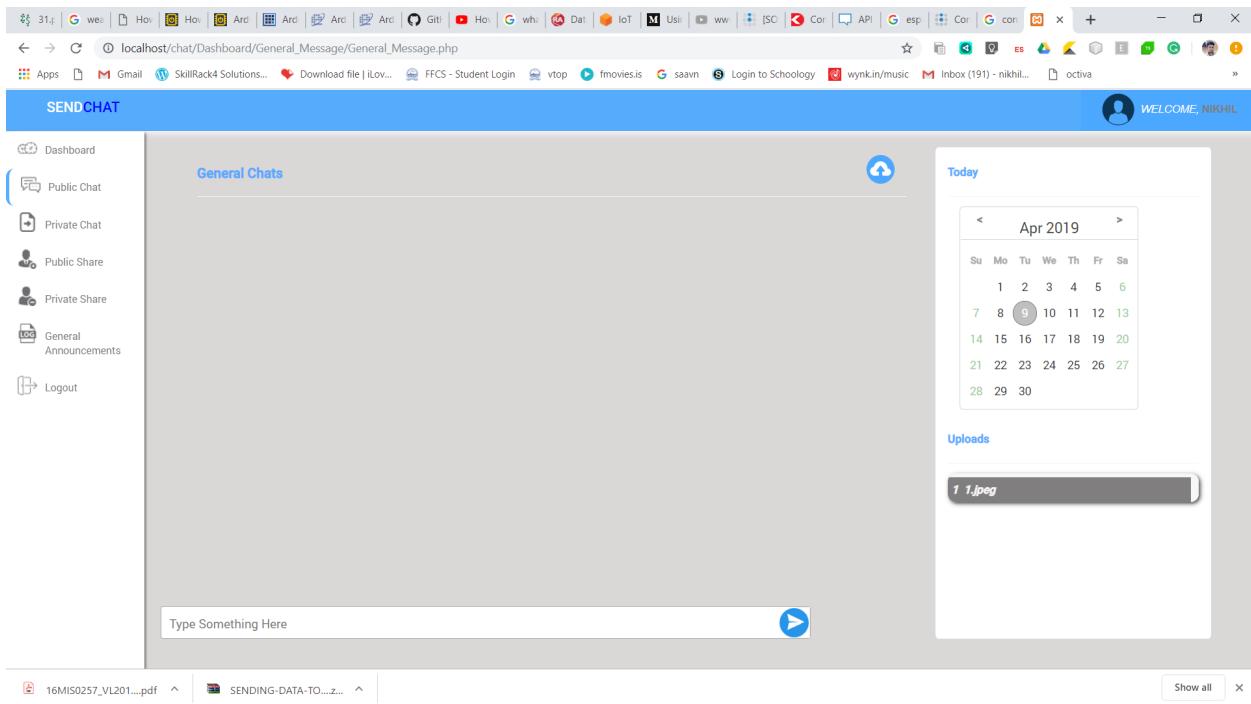


Chat Application Screenshots



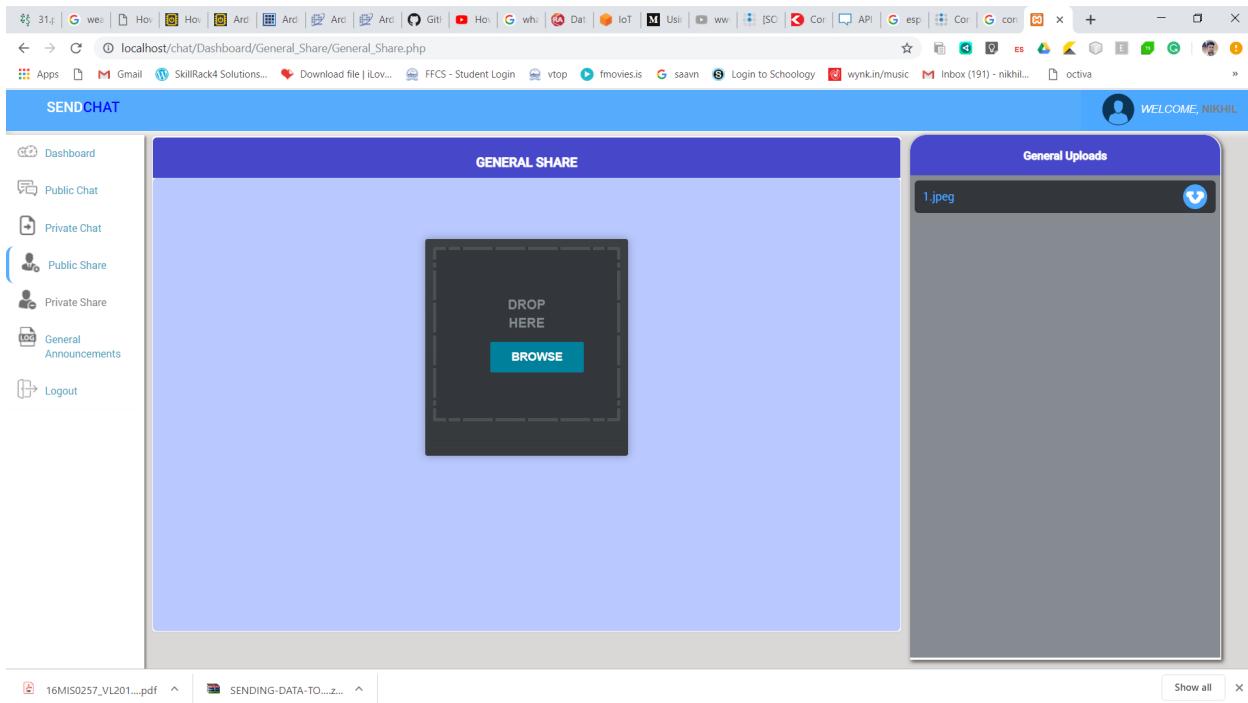
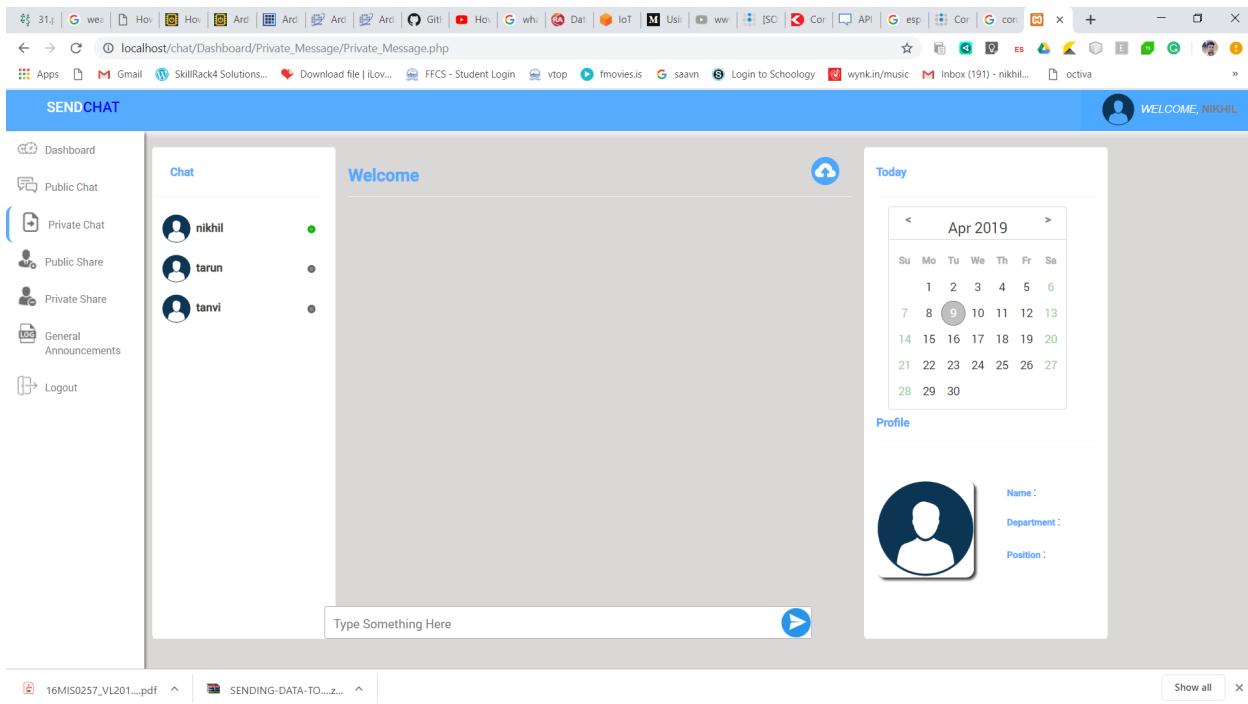
Software Requirements Specification for Chat Application

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Software Requirements Specification for Chat Application

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Software Requirements Specification for Chat Application

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The screenshot shows the 'SENDCHAT' application interface. On the left, a sidebar menu includes 'Dashboard', 'Public Chat', 'Private Chat', 'Public Share', 'Private Share' (which is currently selected), and 'General Announcements'. A 'Logout' link is also present. The main area is titled 'SENDCHAT' and has three panels: 'SELECT USER' (listing users like John Doe, Director; priscilla appah, Secretary; nikhil nicky, Programmer; tanvi tanvi, Coordinator; tarun tarun, Accountant), 'SELECTED USERS' (empty), and 'SELECT FILES TO SEND' (with a 'DROP HERE' area and a 'BROWSE' button). At the bottom, there are tabs for '16MIS0257_VL201...pdf' and 'SENDING-DATA-TO...z...', and a 'Show all' link.

The screenshot shows the 'SENDCHAT' application interface. The sidebar menu is identical to the previous screenshot. The main area displays several announcement cards: 'PROJECT REVIEW' (before 5 April we have to give review), 'PROJECT REVIEW' (before 5 April we have to give review), 'PROJECT REVIEW' (before 5 April we have to give review), 'CHRISTMAS BREAK' (There would be a general christmas break on 20th December, this year), and 'EASTER BREAK !!' (There would be an Easter break on 29th April 2016). To the right, a 'POST ANNOUNCEMENT' section allows users to enter a 'Message Title' and 'Message' (both with placeholder text 'Enter message title' and 'Enter announcement here'), and a 'POST' button.

TEST DOCUMENT

Problem Statement:

we have many websites. They are good and fast responding. This website “Collaborizm blog” is made by us and we want to make sure it works properly. So, we need to test the website. As this blog helps in helping to know about our projects and uploads and it is viewed by many other people we must make sure that this website is fast responding and must not have any faults. Thus, we use some testing methods to automate testing and manual testing and make sure our website is performing well.

The main aim of our project is to make the chat application web based with clean design and with high performance. So, we used many testing tools for testing load testing, performance testing and automation testing. These testing tools helps to test the modules and Improve the performance of the whole Collaborizm blog.

Test Plan:

Sl. no	Test cond Id	Test case description	Test execution steps	Test inputs	Expected results	Actual results
1.	TC_01	To check the homepage open	Step 1: open the file location Step 2: open the html file with a chrome	main.html	System should open main page	As expected
2.	TC_02	To check login button	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click login page	Click “Login” button	System should open login page	As expected

3.	TC_03	To check user name is not empty	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click login page Step 4: keep username field empty Step 5: click login button	Give empty user name	System should show prompt message as "Username should not be empty"	As expected
4.	TC_04	To check username is not empty	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click login page Step 4: keep username field empty Step 5: click login button	Give empty password	System should show prompt message as "Password should not be empty"	As expected
5.	TC_05	To check valid username	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click login page Step 4: keep username as other than nikhil Step 5: click login button	Username= 'user'	System should show prompt message as "Invalid Username!"	As expected
6.	TC_06	To check valid password	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click login page Step 4: keep password as other than c Step 5: click login button	Password= 'pass'	System should show prompt message as "Invalid Password!"	As expected
7.	TC_07	To check login	Step 1: open the file location	Username= 'nikhil'	System should show	As expected

			Step 2: open the html file with a chrome Step 3: click login page Step 4: keep username as other than 'nikhil' and password as 'c' Step 5: click login button	Password= 'c' Click login button	prompt message as "Successfull y logged in!"	
8.	TC_08	To check reset button	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click login page Step 4: keep username and password with some values Step 5: click Reset button	Username= 'Chintu' Password= '123' Click reset button	System should clear username and password field	As expected
9.	TC_09	To check register button	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page	Click "Register" button	System should open register page	As expected
10.	TC_10	To check first name is empty	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep first name as empty Step 5: click Register button	Give empty first name	System should show prompt message as "First name should not be empty"	As expected
11.	TC_11	To check first name accept all capital case letter	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep first	First name= 'TANVI'	System accepts first name	As expected

			name as TANVI Step 5: click Register button			
12.	TC_1 2	To check first name accept all small case letter	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep first name as tanvi Step 5: click Register button	First name= 'tanvi'	System accepts first name	As expected
13.	TC_1 3	To check first name accept all capital case and small case letter	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep first name as Tanvl Step 5: click Register button	First name= 'Tanvl'	System accepts first name	As expected
14.	TC_1 4	To check first name accept numeric values	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep first name as 12345 Step 5: click Register button	First name= '12345'	System should prompt message as "First name must have alphabet character only"	As expected
15.	TC_1 5	To check first name accepts special character	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep first name as @#\$%& Step 5: click Register button	First name= '@#\$%&'	System should prompt message as "First name must have alphabet character only"	As expected
16.	TC_1 6	To check last name is empty	Step 1: open the file location Step 2: open the	Give empty last name	System should show prompt	As expected

			html file with a chrome Step 3: click register page Step 4: keep last name as empty Step 5: click Register button		message as "Last name should not be empty"	
17.	TC_17	To check last name accept all capital case letter	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep last name as TANVI Step 5: click Register button	Last name= 'TANVI'	System accepts last name	As expected
18.	TC_18	To check last name accept all small case letter	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep last name as tanvi Step 5: click Register button	Last name= 'tanvi'	System accepts last name	As expected
19.	TC_19	To check last name accept all capital case and small case letter	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep last name as Tanvl Step 5: click Register button	Last name= 'Tanvl'	System accepts last name	As expected
20.	TC_20	To check last name accept numeric values	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep last name as 12345	Last name= '12345'	System should prompt message as "Last name must have alphabet character only"	As expected

			Step 5: click Register button			
21.	TC_2 1	To check last name accepts special character	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep last name as @#\$%& Step 5: click Register button	Last name= '@#\$%&'	System should prompt message as "Last name must have alphabet character only"	As expected
22.	TC_2 2	To check gender is not selected	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep gender as empty Step 5: click Register button	Do not click any gender	System should show prompt message as "Select male/female"	As expected
23.	TC_2 3	To check gender is selected	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep gender male or female Step 5: click Register button	Click gender male or female	System accept gender	As expected
24.	TC_2 4	To check username is empty	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep user name as empty Step 5: click Register button	Give empty user name	System should show prompt message as "User name should not be empty"	As expected
25.	TC_2 5	To check user name accept all capital case letter	Step 1: open the file location Step 2: open the	User name= 'THARUN'	System accepts user name	As expected

			html file with a chrome Step 3: click register page Step 4: keep user name as THARUN Step 5: click Register button			
26.	TC_2 6	To check user name accept all small case letter	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep user name as tharun Step 5: click Register button	Last name= 'tharun'	System accepts user name	As expected
27.	TC_2 7	To check user name accept all capital case and small case letter	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep user name as TharuN Step 5: click Register button	User name= 'TharuN'	System accepts user name	As expected
28.	TC_2 8	To check user name accept numeric values	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep user name as 12345 Step 5: click Register button	User name= '12345'	System should prompt message as "User name must have alphabet character only"	As expected
29.	TC_2 9	To check user name accepts special character	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep user name as @#\$%&	User name= '@#\$%&'	System should prompt message as "User name must have alphabet character only"	As expected

			Step 5: click Register button			
30.	TC_3 0	To check password is empty	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep password as empty Step 5: click Register button	Give empty password	System should show prompt message as "Password should not be empty"	As expected
31.	TC_3 1	To check password accept all capital case letter	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep password as THARUN Step 5: click Register button	Password= 'THARUN'	System accepts password	As expected
32.	TC_3 2	To check password accept all small case letter	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep password as tharun Step 5: click Register button	Last name= 'tharun'	System accepts password	As expected
33.	TC_3 3	To check password accept all capital case and small case letter	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep password as TharuN Step 5: click Register button	Password= 'TharuN'	System accepts password	As expected

34.	TC_3 4	To check password accept numeric values	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep password as 12345 Step 5: click Register button	Password= '12345'	System accepts password	As expected
35.	TC_3 5	To check password accepts special character	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep password as @#\$%& Step 5: click Register button	Password= '@#\$%&'	System accepts password	As expected
36.	TC_3 6	To check password accepts all characters	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep password as Nikhil@123 Step 5: click Register button	Password= 'Nikhil@123'	System accepts password	As expected
37.	TC_3 7	To check retype password is empty	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep retype password as empty Step 5: click Register button	Give empty retype password	System should show prompt message as "Retype password should not be empty"	As expected
38.	TC_3 8	To check retype password accept all	Step 1: open the file location	Retype password=	System accepts	As expected

		capital case letter	Step 2: open the html file with a chrome Step 3: click register page Step 4: keep retype password as THARUN Step 5: click Register button	'THARUN'	retrye password	
39.	TC_39	To check retype password accept all small case letter	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep retype password as tharun Step 5: click Register button	Last name= 'tharun'	System accepts retype password	As expected
40.	TC_40	To check retype password accept all capital case and small case letter	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep retype password as TharuN Step 5: click Register button	Retype password= 'TharuN'	System accepts retype password	As expected
41.	TC_41	To check retype password accept numeric values	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep retype password as 12345 Step 5: click Register button	Retype password= '12345'	System accepts retype password	As expected
42.	TC_42	To check retype password accepts special character	Step 1: open the file location Step 2: open the html file with a	Retype password= '@#%\$&'	System accepts retype password	As expected

			chrome Step 3: click register page Step 4: keep retype password as @#\$%& Step 5: click Register button			
43.	TC_4 3	To check retype password accepts all characters	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep retype password as Nikhil@123 Step 5: click Register button	Retype password= 'Nikhil@123'	System accepts retype password	As expected
44.	TC_4 4	To check password and retype password match	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep password as nikhil@123 retype password as Nikhil@123 Step 5: click Register button	Password= 'nikhil@123' Retype password= 'Nikhil@123'	System should show prompt message as "Retype password does not match with the password"	As expected
45.	TC_4 5	To check password and retype password match	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep password as Nikhil@123 retype password as Nikhil@123 Step 5: click Register button	Password= 'Nikhil@123' Retype password= 'Nikhil@123'	System accepts password retype password	As expected
46.	TC_4 6	To check email is empty	Step 1: open the file location	Give empty email	System should show	As expected

			Step 2: open the html file with a chrome Step 3: click register page Step 4: keep email as empty Step 5: click Register button		prompt message as "Email should not be empty"	
47.	TC_4 7	To check email accept all capital case with @ and .	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep email as THARUN@GMAIL.COM Step 5: click Register button	Email= 'THARUN@GMAIL.COM'	System accepts email	As expected
48.	TC_4 8	To check email accept all small case with @ and .	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep email as tharun@gmail.com Step 5: click Register button	Email= 'tharun@gmail.com'	System accepts email	As expected
49.	TC_4 9	To check email accept all capital case and small case letter with @ and .	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep email as Tharun@gmail.com Step 5: click Register button	Email= 'Tharun@gmail.com'	System accepts email	As expected
50.	TC_5 0	To check email accept character numeric values	Step 1: open the file location Step 2: open the html file with a chrome	Email= 'nikhil24@Gmail.com'	System accepts email	As expected

			Step 3: click register page Step 4: keep email as nikhil24@Gmail.com Step 5: click Register button			
51.	TC_5 1	To check email accepts special character other than @ and .	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep email as nikhil#& Step 5: click Register button	Email= 'nikhil#&'	System should prompt message as "You have entered invalid email address"	As expected
52.	TC_5 2	To check phone number contain numeric values	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep phone number as 9626599916 Step 5: click Register button	Phone number= 9626599916	System accepts phone number	As expected
53.	TC_5 3	To check phone number contain length as 10	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep phone number as 9626599916 Step 5: click Register button	Phone number= 9626599916	System accepts phone number	As expected
54.	TC_5 4	To check phone number contain length less than 10 or contain alphabets or special character	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep	Phone number= 96265nhi5#4	System should show prompt message as "Enter valid phone number"	As expected

			phone number as 96265nh5#4 Step 5: click Register button			
55.	TC_5 5	To check address is empty	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep address as empty Step 5: click Register button	Give empty address	System should show prompt message as “Address should not be empty”	As expected
56.	TC_5 6	To check address, contain numbers, alphabets, special characters.	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: keep address as #504, Gandhinagar, Hyderabad, 510369 Step 5: click Register button	Address= #504, Gandhinagar, Hyderabad, 510369	System accepts address	As expected
57.	TC_5 7	To check date from date of birth	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: select date from list Step 5: click Register button	Date=06	System accepts date	As expected
58.	TC_5 8	To check date from date of birth	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: select date from list Step 5: click	Date=date (default)	System should show prompt message as “Select your birth date from the list”	As expected

			Register button			
59.	TC_5 9	To check month from date of birth	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: select month from list Step 5: click Register button	Month=Dece mber	System accepts month	As expected
60.	TC_6 0	To check month from date of birth	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: select month from list Step 5: click Register button	Month=month (default)	System should show prompt message as "Select your birth month from the list"	As expected
61.	TC_6 1	To check year from date of birth	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: select year from list Step 5: click Register button	Year=1999	System accepts month	As expected
62.	TC_6 2	To check year from date of birth	Step 1: open the file location Step 2: open the html file with a chrome Step 3: click register page Step 4: select year from list Step 5: click Register button	Year=year (default)	System should show prompt message as "Select your birth year from the list"	As expected
63.	TC_6 3	To check good at is not selected	Step 1: open the file location Step 2: open the html file with a chrome	Do not select anything from Good at	System should show prompt message as "Please	As expected

			Step 3: click register page Step 4: do not select anything from good at Step 5: click Register button		select what you are good at."	
64.	TC_6 4	To check any field is selected from good at	Step 1: open the file location Step 2: open the html file with a chrome Step 3: select some field from good at Step 5: click Register button	Good at='Raspberry , Arduino'	System accepts good at	As expected
65.	TC_6 5	To check Submit button	Step 1: open the file location Step 2: open the html file with a chrome Step 3: enter all field as mentioned above Step 5: click Submit button	First name=Nikhil Last name=Nickky Gender=male Password=Nikhil@24 Retype password=Nikhil@24 Email=nikhil24@Gmail.com Phone number=9563258741 Address=#504, Gandhinagar, Hyderabad, 510369 Date=10 Month=October Year=1999 Good at=Raspberry, coding.	System should show prompt message as "Form submitted successfully"	As expected
66.	TC_6 6	To check reset button	Step 1: open the file location Step 2: open the html file with a	Click reset button	System clear all text field	As expected

			chrome Step 3: enter all field as mentioned above Step 5: click Reset button			
1.	TC_0 1	To check the whether the two minimum users should available for chat	1.Open the website 2.Login with user or admin 3.click chat button 4.chat box will open	Both client and server must open	Open chat of client or server	As expected
2.	TC_0 2	To Check whether two minimum devices are available(phones, laptops,)etc	1.Open the website 2.Login with user or admin 3.click chat button 4.check two devices(laptops, phones)	Both client and server must have a device	Open chat of client or server with each device respectively	As expected
3.	TC_0 3	To Check the Chat application has been installed in two devices at least.	1.Install the chat application 2..Open the website 3.Login with user or admin 4.click chat button	Both client and server must install	Chat application has been installed in two devices for both client and server	As expected
4.	TC_0 4	Verify that any Medium like Internet, Wifi, Public Switched Telephone Network, for the Chat functionality.	1.Check the internet connection(Data, wifi) 2.Install the chat application 3.Open the website 4.Login with user or admin 5.click chat button	Both client and server must have internet connection	Internet connection is available for both client and server	As expected
5.	TC_0 5	To Check the Users are able to send requests to other Users for chat or not	1.Open the website 2.Login with user or admin 3.click chat button 4.send request to other user	Both client and server must send friend requests to other users	Both client and server are able to send requests to one another	As expected

6.	TC_06	To Check the how many number of words or characters can be send in a time.	1.Open the website 2.Login with user or admin 3.click chat button 4. To Check the how many number of word can be send a time	Both client and server check the number of words can be send at a time	Open the chat and check how many number of words or characters can be send	As expected
7.	TC_07	Verify that Status (Active, Inactive, Invisible, etc.) of User is changing or not.	1.Open the website 2.Login with user or admin 3.click chat button 4. Verify that Status (Active, Inactive)	Check the status whether the status is active or not	Open the chat and see the status is whether active or Inactive	As expected
8.	TC_08	To Check that User is able to create Account in Chat application or not.	1.Open the website 2.Create an account 3.Login with user or admin 4.click chat button	Both client and server must create an account	Both client and server and User is able to create Account	As expected
9.	TC_09	To Check that User is able to Login in Chat application or not.	1.Open the website 2.Create an account 3.Login with user or admin or not	Check both users can able to do login	Both users can login in chat application	As expected
10.	TC_10	To check that User Can Login in a system simultaneously with two or more different IDs or not.	1.Open the website 2.Create an account 3.Login with user or admin o 4.check whether its working simultaneously with different id proof	Both client and server check its working simultaneously with different id proof	Both users can Login in a system	As expected
11.	TC_11	To Check that User can send messages to another offline User.	1.Open the website 2.Create an account 3.Login with user or admin or not	check user can send a message to another user in offline	Both Users can send messages to another offline User	As expected

			4.check user can send a message to another user in offline			
12.	TC_1 2	To Check that User can see the time of comment in Chat or not.	1.Open the website 2.Create an account 3.Login with user or admin or not 4. User can see the time of comment	User can see the time of comment	It can see the time of comment in chat comment both users	As expected
13.	TC_1 3	To check that User can send special characters in Chat or not.	1.Open the website 2.Create an account 3.Login with user or admin or not 4. User can send special characters in Chat	User can send special characters in Chat	Both client and server can send special characters in Chat	As expected
14.	TC_1 4	To check that User can set its profile pic which is visible to other users or not	1.Open the website 2.Create an account 3.Login with user or admin or not 4. check that User can set its profile pic which is visible to other users	check that User can set its profile pic which is visible to other users	Both client and server can set its profile pic which is visible to other	As expected
15.	TC_1 5	To check that Users can accept requests from other Users for chat or not.	1.Open the website 2.Create an account 3.Login with user or admin or not 4. check that Users can accept requests from other Users (chat)	check that Users can accept requests from other Users (chat)	Both client and server can accept requests from other Users for chat	As expected
16.	TC_1 6	To check that Chat application or functionality saves their Chat history or removes after session	1.Open the website 2.Create an account 3.Login with user or admin or not 4. functionality	functionality saves their Chat history or removes after session	Both client and server of Chat application saves their Chat history	As expected

		expire/ Chat application close.	saves their Chat history or removes after session			
17.	TC_17	To check that Users Can Add or Remove Other Users from their Chat list or not.	1.Open the website 2.Create an account 3.Login with user or admin or not 4. To check that Users Can Add or Remove Other Users from their Chat list	check that Users Can Add or Remove Other Users	Users can Add or Remove Other Users from their Chat list	As expected
18.	TC_18	To check that Users can create a Chat group or not.	1.Open the website 2.Create an account 3.Login with user or admin or not 4. Users can create a Chat group or not.	Users can create a Chat group or not.	Users can create a Chat group	As expected
19.	TC_19	To check that Users Can Chat with their group or not.	1.Open the website 2.Create an account 3.Login with user or admin or not 4. Users Can Chat with their group or not.	Users can Chat with their group	Users can Chat with their group	As expected
20.	TC_20	To check that Users can see current Chat/discussion in the group.	1.Open the website 2.Create an account 3.Login with user or admin or not 4. check that Users can see current Chat in the group	Both client and server to see current Chat	Users can see current Chat	As expected
21.	TC_21	To check Users are able join current Chat/discussion in their group.	1.Open the website 2.Create an account 3.Login with user or admin or not	Both client and server are able join current Chat	Users are able join current Chat	As expected

			4. check Users are able join current Chat			
22.	TC_2 2	To Check that Multiple Users can do Chat or discussion in their group simultaneously and every Chat should be visible to every member of the group.	1.Open the website 2.Create an account 3.Login with user or admin or not 4. Users can do Chat or discussion in their group simultaneously	Both client and server can do Chat or discussion in their group simultaneously	Open the chat and Multiple Users can do Chat or discussion in their group simultaneously	As expected
23.	TC_2 3	To check that name of the User should be displaying to others in Chat application while chatting with other Users or group	1.Open the website 2.Create an account 3.Login with user or admin 4. check that whenever any member joins or leave the Chat	Both client and server should be displaying to others in Chat application while chatting with other Users	Open the chat and name of the User should be displaying to others in Chat application	As expected
24.	TC_2 4	To check that whenever any member joins or leave the Chat / discussion then it should be notified in the group and is visible to every member of the group.	1.Open the website 2.Create an account 3.Login with user or admin 4. check that whenever any member joins or leave the Chat then it should be notified in the group	whenever any member joins or leave the Chat	whenever any member joins or leave the Chat then it should be notified in the group	As expected
25.	TC_2 5	To Check that User can edit or delete its Chat or not	1.Open the website 2.Create an account 3.Login with user or admin 4.User can edit or delete its Chat	Both client and server able to edit or delete its Chat	Open the chat and User can edit or delete its Chat or	As expected
26.	TC_2 6	To check that User can share Image, Video, documents etc or not.	1.Open the website 2.Create an account 3.Login with user	Both client and server can share Image, Video, documents etc	Open the chat and User can share Image,	As expected

			or admin 4. User can share Image, Video, documents		Video, documents etc	
27.	TC_2 7	To check User can share hyperlinked URL, Emails or not.	1. Open the website 2. Create an account 3. Login with user or admin 4. User can share hyperlinked URL, Emails	Both client and server	Open the chat and User can share hyperlinked URL, Emails	As expected
28.	TC_2 8	To check that is there any size limit of files if any file (Video, Image, Documents etc.) is uploading and sharing through the Chat application / functionality.	1. Open the website 2. Create an account 3. Login with user or admin 4. To check that is there any size limit of files if any file (Video, Image, Documents etc.)	To check that is there any size limit of files if any file (Video, Image, Documents etc.)	Open the chat and know that is there any size limit of files if any file (Video, Image, Documents etc.)	As expected
29.	TC_2 9	To check that the User is able Chat in any language to the Users if that language is locally identified and registered by the governing body or not.	1. Open the website 2. Create an account 3. Login with user or admin 4. To check that the User is able Chat in any language	check that the User is able Chat in any language	Open the chat and the User is able Chat in any language to the Users if that language is locally identified	As expected
30.	TC_3 0	To check that the User is able Chat in any language to the Users if that language is globally identified or not.	1. Open the website 2. Create an account 3. Login with user or admin 4. User is able Chat in any language if that language is globally identified or not	User is able Chat in any language if that language is globally identified or not	Open the chat and User is able Chat in any language to the other Users	As expected
31.	TC_3 1	To Check that the User	1. Open the website	To Check that the User can	Open the chat and	As expected

		can translate the Chats of other users in any desired language or not.	2.Create an account 3.Login with user or admin 4. To Check that the User can translate the Chats	translate the Chats	User can translate the Chats of other users	
32.	TC_3 2	To check that Chat application can display that which device has been used to send message or not.	1.Open the website 2.Create an account 3.Login with user or admin 4. check that Chat application can display	Both client and server able to display that which device has been used to send message	Open the chat and it can display that which device has been used to send message	As expected
33.	TC_3 3	To check that User is chatting with only original Users not any not.	1.Open the website 2.Create an account 3.Login with user or admin 4. Check that User is chatting with only original Users	Both client and server can know chatting with only original Users	Open the chat and User is chatting with only original Users	As expected
34.	TC_3 4	To check that User can send any emoticons or not	1.Open the website 2.Create an account 3.Login with user or admin 4. User can send any emoticons or not	Both client and server able to send any emoticons	Open the chat and User can send any emoticons or not	As expected
35.	TC_3 5	To check that User can use Copy and Paste functionality in Chat functionality or not	1.Open the website 2.Create an account 3.Login with user or admin 4. User can use Copy and Paste functionality in Chat	Both client and server can use Copy and Paste functionality	Open the chat and User can use Copy and Paste functionality	As expected
36.	TC_3 6	To check that User Can Chat with two or more different devices with one ID at a time to	1.Open the website 2.Create an account 3.Login with user	User can Chat with two or more different devices with one ID	Both client and server able to Chat with two or more	As expected

		another user or in a group.	or admin 4. check that User Can Chat with two or more different devices with one ID		different devices	
37.	TC_3 7	To check that “Does a User is able to login in two different devices at a time or not?”	1.Open the website 2.Create an account 3.Login with user or admin 4. Does a User is able to login in two different devices at a time or not	Both client and server can login in two different devices at a time or not?	Both client and server and User can login in two different devices at a time	As expected
38.	TC_3 8	To check that “How much time is it taking to send a message from one User to another?”	1.Open the website 2.Create an account 3.Login with user or admin 4. “How much time is it taking to send a message from one User to another?”	Both client and server know How much time is it taking to send a message from one User to another?	Open the chat and check how much time it taking to sending a message	As expected
39.	TC_3 9	To check that “How much time is it taking to send a message from one User to another if internet is weak?”	1.Open the website 2.Create an account 3.Login with user or admin 4. “How much time is it taking to send a message from one User to another if internet is weak?”	Both client and server know How much time is it taking to send a message from one User to another?	Open the chat and check how much time it taking to sending a message if another internet is weak	As expected
40.	TC_4 0	To check “How long a chat can be saved?”	1.Open the website 2.Create an account 3.Login with user or admin 4. “How long a chat can be saved?”	Both client and server know How long a chat can be saved?	Open the chat both client and server and know the how log the chat can be saved	As expected

COMPLEXITY OF OUR PROBLEM:

Timing:

The price of building a mobile chat app is made up of several components:

- UI/UX design – up to 150 hours;
- Development – up to 900 hours, plus 25% of PM and QA services.

But still, how to make an website in modern days?

In its current state,

App has 6 years of constant progress and expansion behind and refers rather to highly complex applications. Developing similar chat app from a scratch would take longer – 4-6 months at average with a chat app development.

6. Level 1 – Low Complexity

Involves recall, observing and representing basic facts that demonstrate a surface level of understanding of text. Usually requires a student to perform a one step process by:

- ⑧ Locating details
- ⑧ Finding details on charts, graphs, or diagrams
- ⑧ Recognizing chronological order
- ⑧ Identifying figurative language

7. Level 2 – Moderate Complexity

Involves summarizing, inferring, classifying, comparing, gathering information, explaining, describing, while demonstrating a more complex level of understanding. Usually requires a student to perform a 2-step process by:

- ⑧ Using context clues to identify the meanings of unfamiliar words
- ⑧ Interpreting the information in graphs, charts, and diagrams
- ⑧ Recognizing patterns of organization
- ⑧ Comparing meanings
- ⑧ Determining how details support main idea
- ⑧ Demonstrating an understanding of plot development
- ⑧ Identifying cause and effect relationships

- ⑧ Summarizing the major points
- ⑧ Identifying similarities and differences
- ⑧ Determine fact or opinion

8. Level 3 – High Complexity

Involves higher order thinking, conceptual understanding, generalizing abstract reasoning, theme identification and complex inferencing within and across text. This level requires a student to perform multiple steps by:

- ⑧ Analyzing the use of figurative language
- ⑧ Showing how graphs, charts and diagrams contribute to a language
 - ⑧ Analyzing in depth similarities and differences
 - ⑧ Analyzing cause and effect relationships
- ⑧ Determining author's purpose and/or point of view and how it affects the text
- ⑧ Describing and illustrating how common themes are found across texts
- ⑧ Applying text-based information to a similar situation
- ⑧ Identifying and evaluating devices of persuasion
- ⑧ Evaluating strong vs. weak argument
- ⑧ Describing and analyzing the characteristics of various types of text

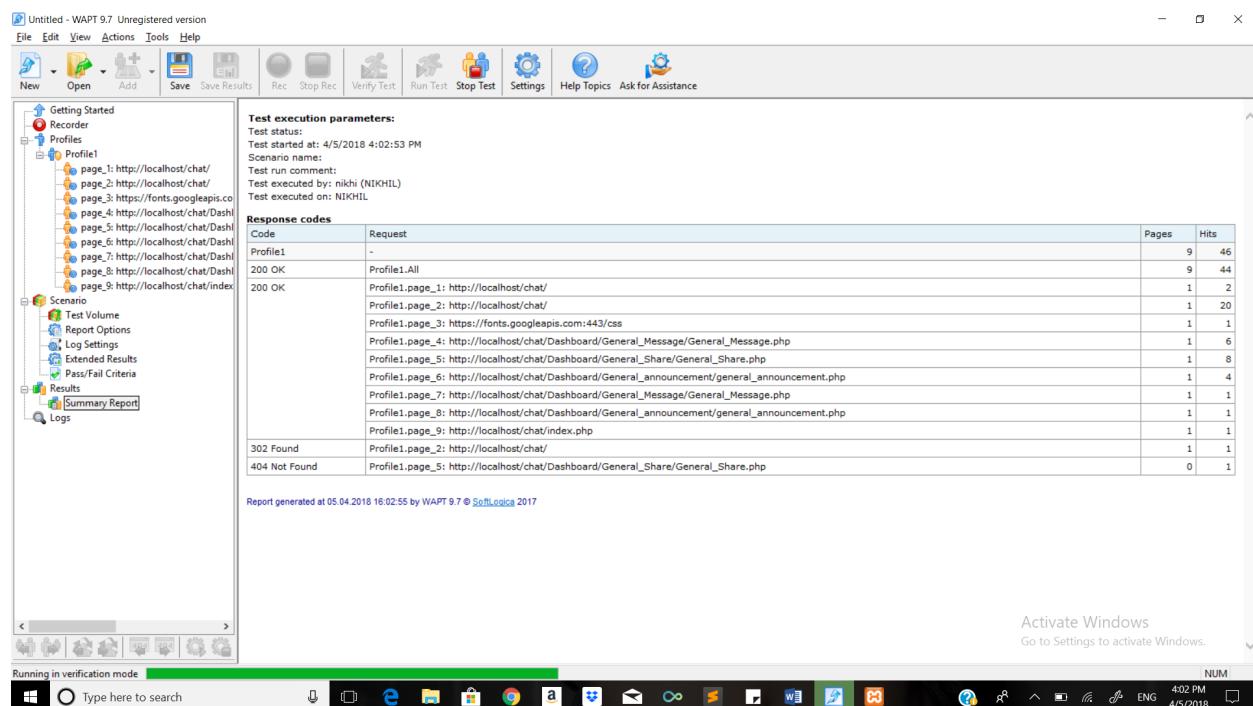
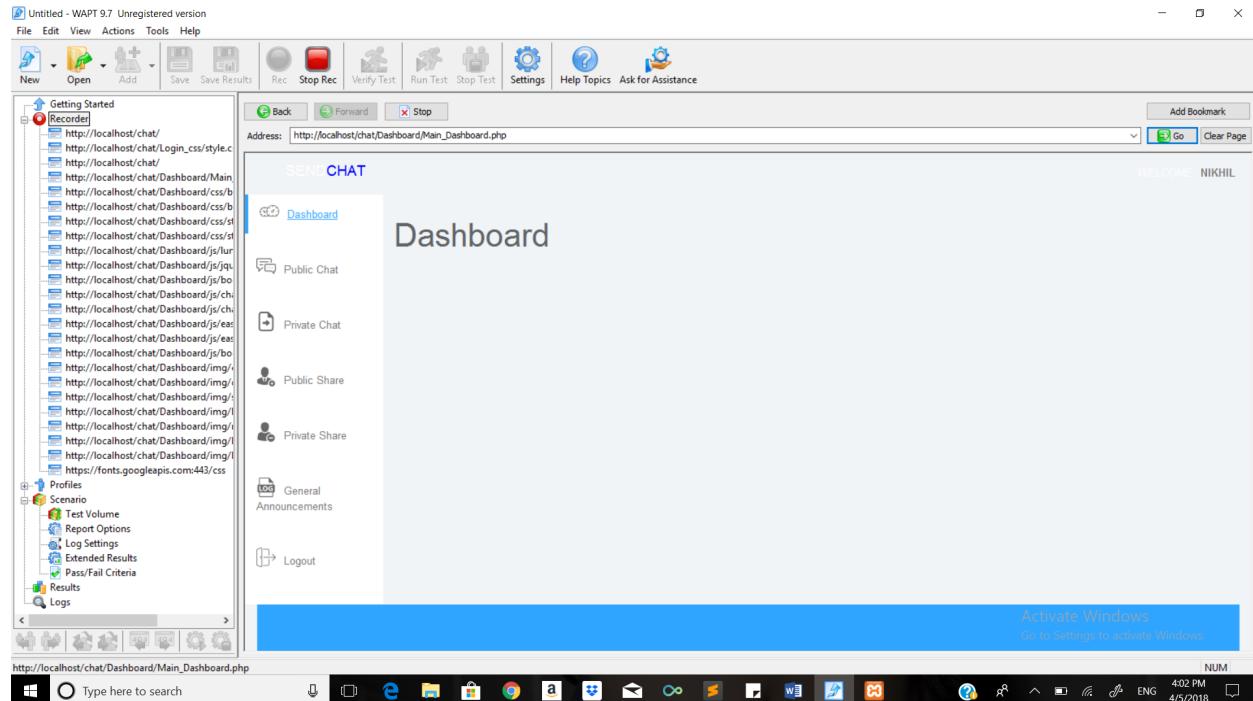
Testing Tools:

1.WAPT:

WAPT Pro is the core component in a scalable load testing environment. It combines the inherent ease of use that has been recognized in WAPT tools over the last decade with the power of efficiency and a trend towards the modern technologies and practices.

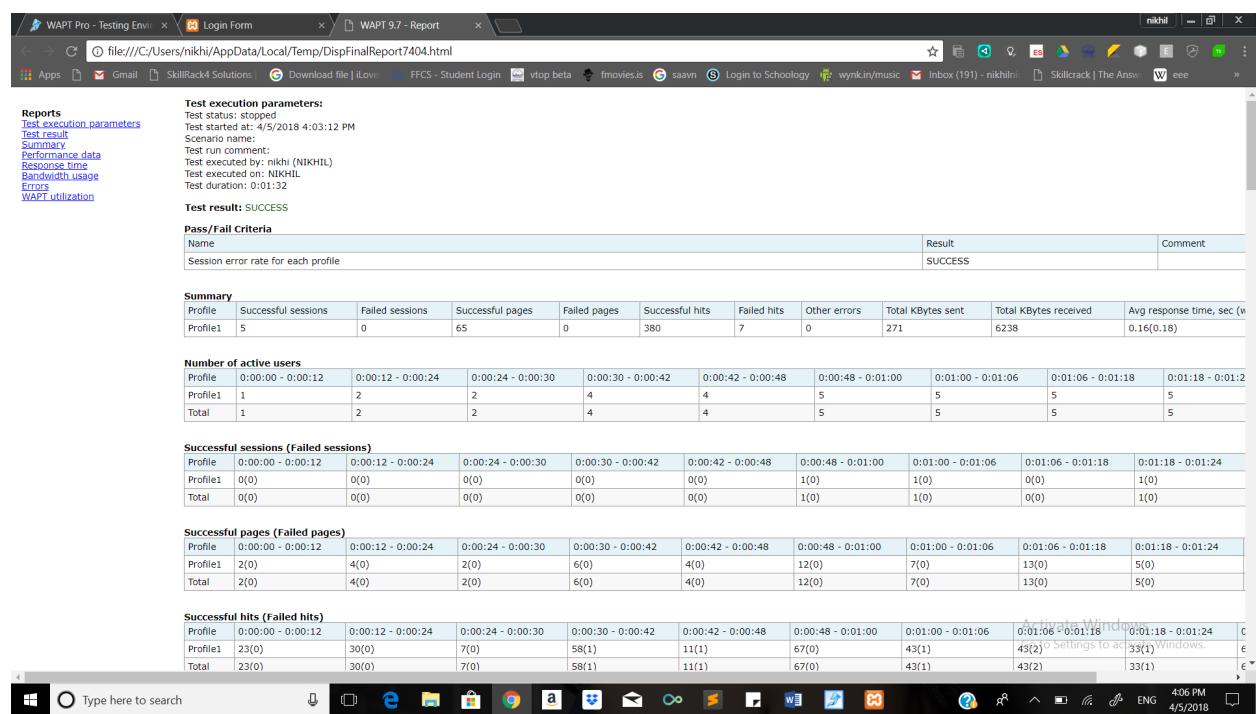
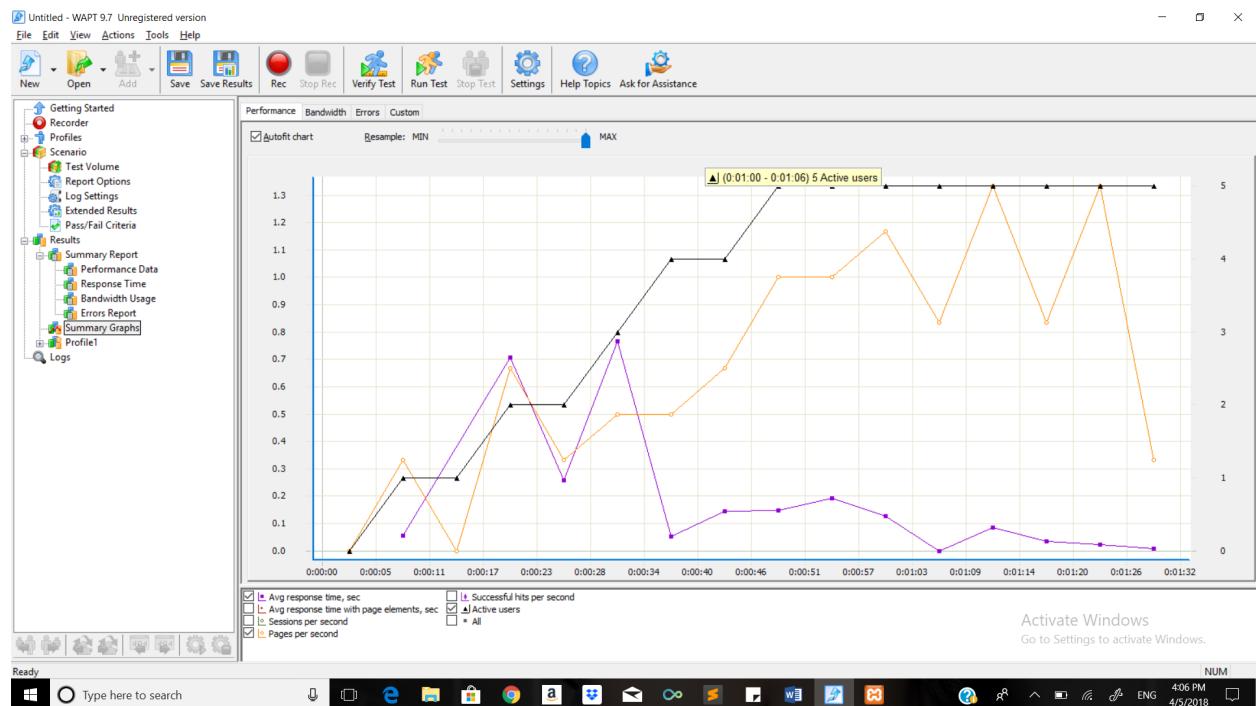
You can create tests for websites, web API services and mobile applications with a built-in test recorder. Extended feature set will let you emulate even the most intricate communication schemes within the user sessions. The ability to run tests by multiple load generation units lets you verify the performance of high-end server solutions with up to 1M concurrent users. The

integration capabilities open the door for regression testing with WAPT Pro in Agile and DevOps environments.



Software Requirements Specification for Chat Application

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WAPT Pro - Testing Env | Login Form | WAPT 9.7 - Report | nikhil | X

file:///C:/Users/nikhil/AppData/Local/Temp/DispFinalReport7404.html

Apps Gmail SkillRack4 Solutions Download file iLove FFCS - Student Login vtop beta fmovies.is saavn Login to Schoology wynk.in/music Inbox (191) - nikhil Skillcrack | The Answer eee

Reports

- Test execution parameters
- Test result
- Summary
- Performance data
- Response time
- Bandwidth usage
- Errors
- WAPT utilization

Successful hits per second

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	1.92	2.50	1.17	4.83	1.83	5.58	7.17	3.58	5.50
Total	1.92	2.50	1.17	4.83	1.83	5.58	7.17	3.58	5.50

Response time, sec (with page elements)

Name	Time	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1.page_1: http://localhost/chat/	1	1	0	2	0	2	1	0	1	
Min	0.02(0.02)	0.02(0.02)	-	-	0.02(0.02)	-	0.01(0.01)	0.01(0.01)	-	0.02(0.02)
Max	0.02(0.02)	0.02(0.02)	-	-	0.03(0.03)	-	0.02(0.02)	0.01(0.01)	-	0.02(0.02)
Avg	0.02(0.02)	0.02(0.02)	-	-	0.02(0.02)	-	0.02(0.02)	0.01(0.01)	-	0.02(0.02)
Avg90	0.02(0.02)	0.02(0.02)	-	-	0.03(0.03)	-	0.02(0.02)	0.01(0.01)	-	0.02(0.02)
PDF	-	-	-	-	-	-	-	-	-	-
Profile1.page_2: http://localhost/chat/	1	1	0	2	0	2	1	0	1	
Min	0.09(0.16)	0.06(0.11)	-	-	0.11(0.20)	-	0.08(0.13)	0.08(0.14)	-	0.16(0.20)
Max	0.09(0.16)	0.06(0.11)	-	-	2.28(2.38)	-	0.63(0.67)	0.08(0.14)	-	0.16(0.20)
Avg	0.09(0.16)	0.06(0.11)	-	-	1.20(1.29)	-	0.35(0.40)	0.08(0.14)	-	0.16(0.20)
Avg90	0.09(0.16)	0.06(0.11)	-	-	2.28(2.38)	-	0.63(0.67)	0.08(0.14)	-	0.16(0.20)
PDF	0.33	0.22	-	-	4.25	-	1.25	0.28	-	0.56
Profile1.page_3: https://fonts.googleapis.com:443/css	0	1	1	0	1	2	1	1	0	
Min	-	2.73(2.73)	0.52(0.52)	-	-	0.55(0.55)	0.48(0.48)	0.76(0.76)	0.63(0.63)	-
Max	-	2.73(2.73)	0.52(0.52)	-	-	0.55(0.55)	0.76(0.76)	0.76(0.76)	0.63(0.63)	-
Avg	-	2.73(2.73)	0.52(0.52)	-	-	0.55(0.55)	0.62(0.62)	0.76(0.76)	0.63(0.63)	-
Avg90	-	2.73(2.73)	0.52(0.52)	-	-	0.55(0.55)	0.76(0.76)	0.76(0.76)	0.63(0.63)	-
PDF	-	21.9	4.13	-	-	4.38	5.00	6.12	5	-
Profile1.page_4: http://localhost/chat/Dashboard/General_Message/General_Message.php	0	1	1	0	0	2	1	2	0	
Min	-	0.01(0.03)	0(0.03)	-	-	0(0.02)	0.01(0.01)	0(0.03)	-	
Max	-	0.01(0.03)	0(0.03)	-	-	0.02(0.03)	0.01(0.01)	0.02(0.03)	-	
Avg	-	0.01(0.03)	0(0.03)	-	-	0.01(0.02)	0.01(0.01)	0.01(0.03)	-	
Avg90	-	0.01(0.03)	0(0.03)	-	-	0.02(0.03)	0.01(0.01)	0.02(0.03)	-	
PDF	-	0.06	0	-	-	0.03	0.06	0.06	0.03	

DrFile1 name: E:\Http\localhost\chat\Dashboard\General_Message\General_Message.php

Go to Settings to activate Windows.

Type here to search

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WAPT Pro - Testing Env | Login Form | WAPT 9.7 - Report | nikhil | X

file:///C:/Users/nikhil/AppData/Local/Temp/DispFinalReport7404.html

Apps Gmail SkillRack4 Solutions Download file iLove FFCS - Student Login vtop beta fmovies.is saavn Login to Schoology wynk.in/music Inbox (191) - nikhil Skillcrack | The Answer eee

Reports

- Test execution parameters
- Test result
- Summary
- Performance data
- Response time
- Bandwidth usage
- Errors
- WAPT utilization

Performance degradation factor

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	0.33	4.19	1.32	3.02	2.41	1.33	0.95	0.57	0.40

KBytes sent

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	15.6	20.4	4.73	40.9	8.59	46.4	30.8	33.6	23.9
Total	15.6	20.4	4.73	40.9	8.59	46.4	30.8	33.6	23.9

KBytes received

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	484	513	29.3	1126	126	1087	672	408	603
Total	484	513	29.3	1126	126	1087	672	408	603

Sending speed, kbit/s

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	10.4	13.6	6.30	27.3	11.5	30.9	41.1	22.4	31.8
Total	10.4	13.6	6.30	27.3	11.5	30.9	41.1	22.4	31.8

Receiving speed, kbit/s

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	322	342	39.1	750	168	724	896	272	804
Total	322	342	39.1	750	168	724	896	272	804

Sending per user speed, kbit/s

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	10.4	6.79	3.15	8.04	2.86	6.18	8.21	4.47	6.37
Total	10.4	6.79	3.15	8.04	2.86	6.18	8.21	4.47	6.37

Receiving per user speed, kbit/s

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	322	171	19.5	220	42.1	144	179	54.4	160
Total	322	171	19.5	220	42.1	144	179	54.4	160

Failed sessions

Type here to search

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Software Requirements Specification for Chat Application

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Response codes

Code	Request
Profile1	-
200 OK	Profile1_All
200 OK	Profile1_page_1: http://localhost/chat/ Profile1_page_2: http://localhost/chat/ Profile1_page_3: https://fonts.googleapis.com:443/css Profile1_page_4: http://localhost/chat/Dashboard/General_Message/General_Message.php Profile1_page_5: http://localhost/chat/Dashboard/General_Share/General_Share.php Profile1_page_6: http://localhost/chat/Dashboard/General_announcement/general_announcement.php Profile1_page_7: http://localhost/chat/Dashboard/General_Message/General_Message.php Profile1_page_8: http://localhost/chat/Dashboard/General_announcement/general_announcement.php Profile1_page_9: http://localhost/chat/index.php
302 Found	Profile1_page_2: http://localhost/chat/
404 Not Found	Profile1.page_5: http://localhost/chat/Dashboard/General_Share/General_Share.php

HTTP errors on pages (hits) as a % of all completed pages (hits)

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Total	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Network errors on pages (hits) as a % of all completed pages (hits)

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Total	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Timeouts on pages (hits) as a % of all completed pages (hits)

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Total	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Validation errors on pages as a % of all completed pages

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Total	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Network errors on pages (hits) as a % of all completed pages (hits)

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Total	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Timeouts on pages (hits) as a % of all completed pages (hits)

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
Total	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)

Validation errors on pages as a % of all completed pages

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0

Total errors on pages (hits) as a % of all completed pages (hits)

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	0(0)	0(0)	0(0)	0(1.69)	0(8.33)	0(0)	0(2.27)	0(4.44)	0(2.94)
Total	0(0)	0(0)	0(0)	0(1.69)	0(8.33)	0(0)	0(2.27)	0(4.44)	0(2.94)

Other errors

Profile	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
Profile1	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0

WAPT utilization, %

Name	Utilization	0:00:00 - 0:00:12	0:00:12 - 0:00:24	0:00:24 - 0:00:30	0:00:30 - 0:00:42	0:00:42 - 0:00:48	0:00:48 - 0:01:00	0:01:00 - 0:01:06	0:01:06 - 0:01:18	0:01:18 - 0:01:24
NIKHIL	CPU	15	16	19	29	38	26	13	15	14
Memory Mb(%)	431(21)	432(21)	432(21)	431(21)	431(21)	436(21)	436(21)	436(21)	436(21)	436(21)
Network	0	0	0	0	0	0	0	0	0	0

Report generated at 05.04.2018 16:04:46 by WAPT 9.7 © SoftLogica 2017

Activate Windows

Go to Settings to activate Windows.

2. Test Studio- Telerik test studio:

Telerik Test Studio is a Windows-based software testing tool for web and desktop functional testing, software performance testing, load testing and mobile application testing developed by Telerik. The tool ships with a plugin for Visual Studio and a standalone app that use the same repositories and file formats. Test Studio supports HTML, AJAX, Silverlight, ASP.NET MVC, JavaScript and WPF. Test Studio supports test execution in Internet Explorer, Firefox, Safari and Chrome.

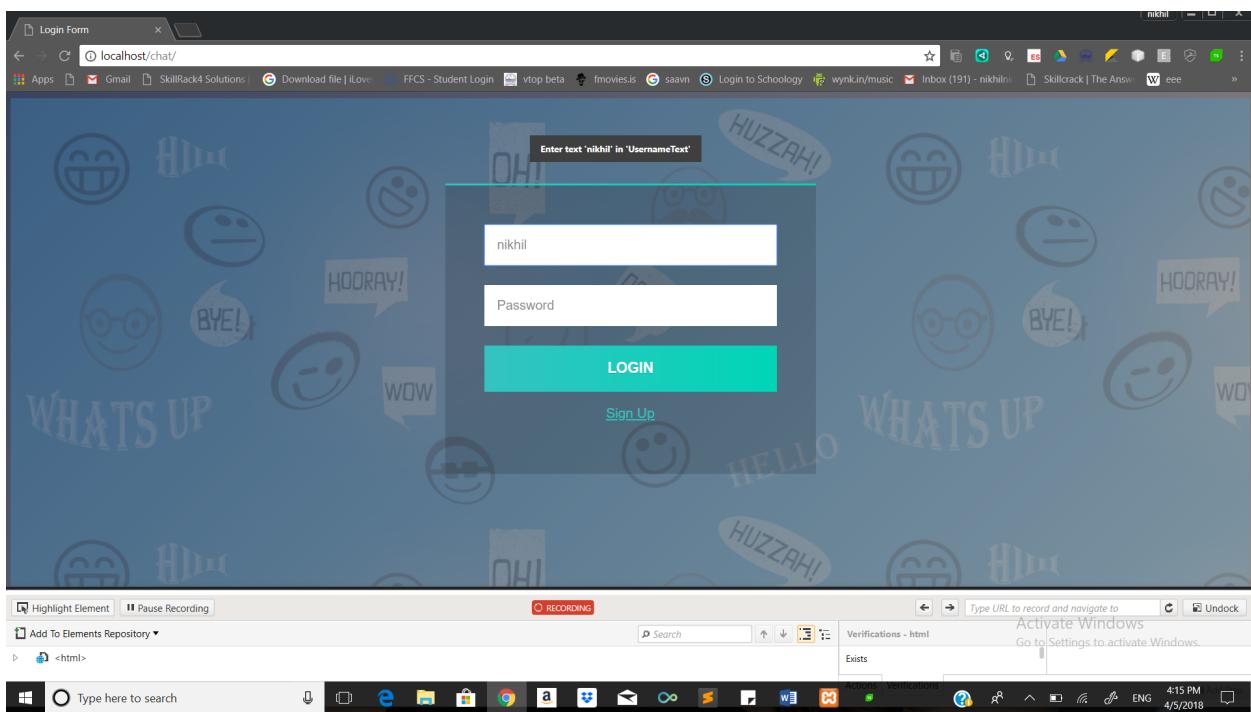
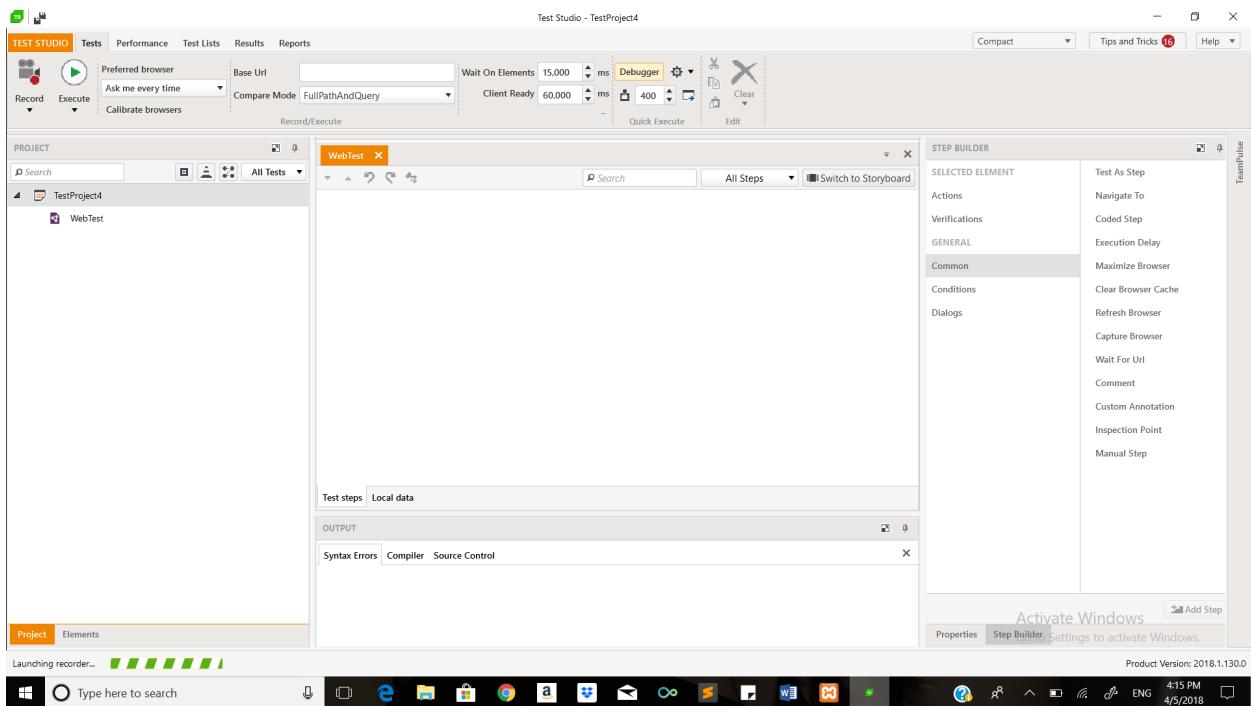
Functional Testing - The tool provides test automation support for web and desktop applications - Silverlight, WPF, AJAX, HTML, WPF, and MVC, JavaScript calls, dynamic page synchronization, client-side behaviors, as well as support for Visual Studio 2010 and 2012.

Performance Testing - Test Studio offers web performance testing to analyze metrics on the server and on the client, explore the HTTP traffic requests and performance counter data. Benchmarks can be created against which later results are compared for regression detection or goal setting. Performance metrics supplement the existing functional UI tests to include such data as server processing time, network latency, and client rendering time.

Load Testing - existing Test Studio functional tests or Fiddler logs can be used to create load tests. Test Studio's load agents are making use of multi-core, hyper threaded CPUs to generate a high user load.

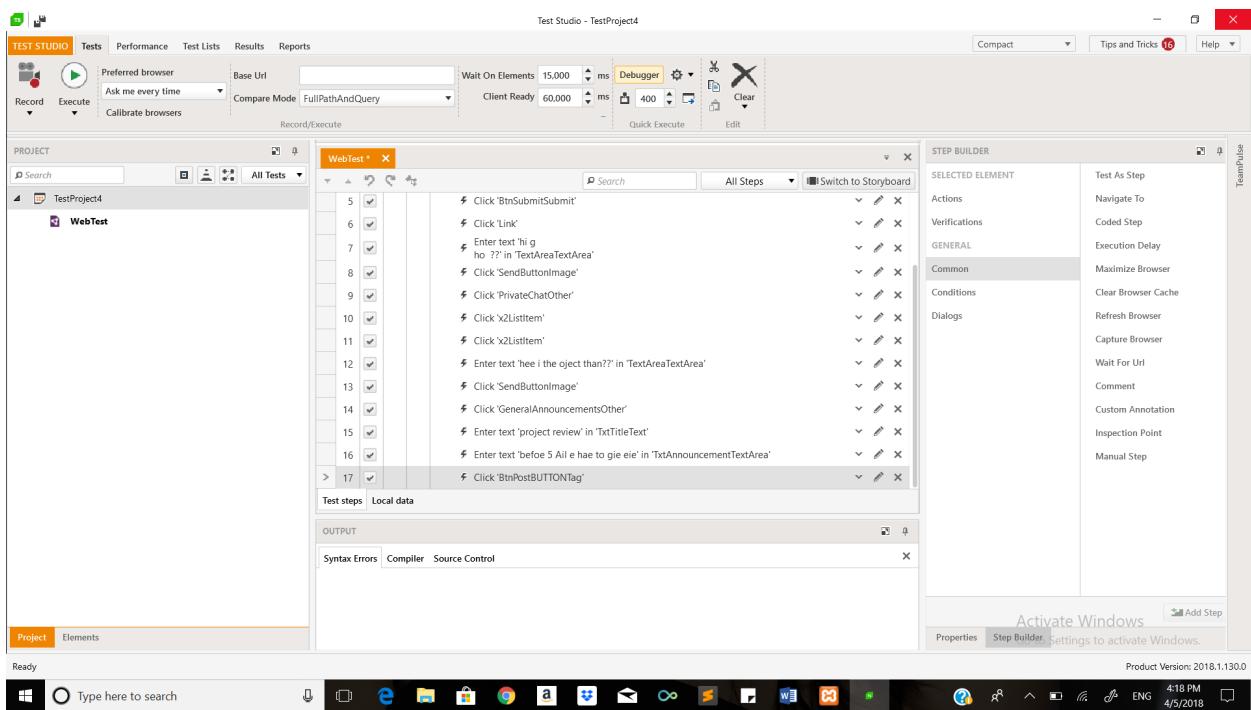
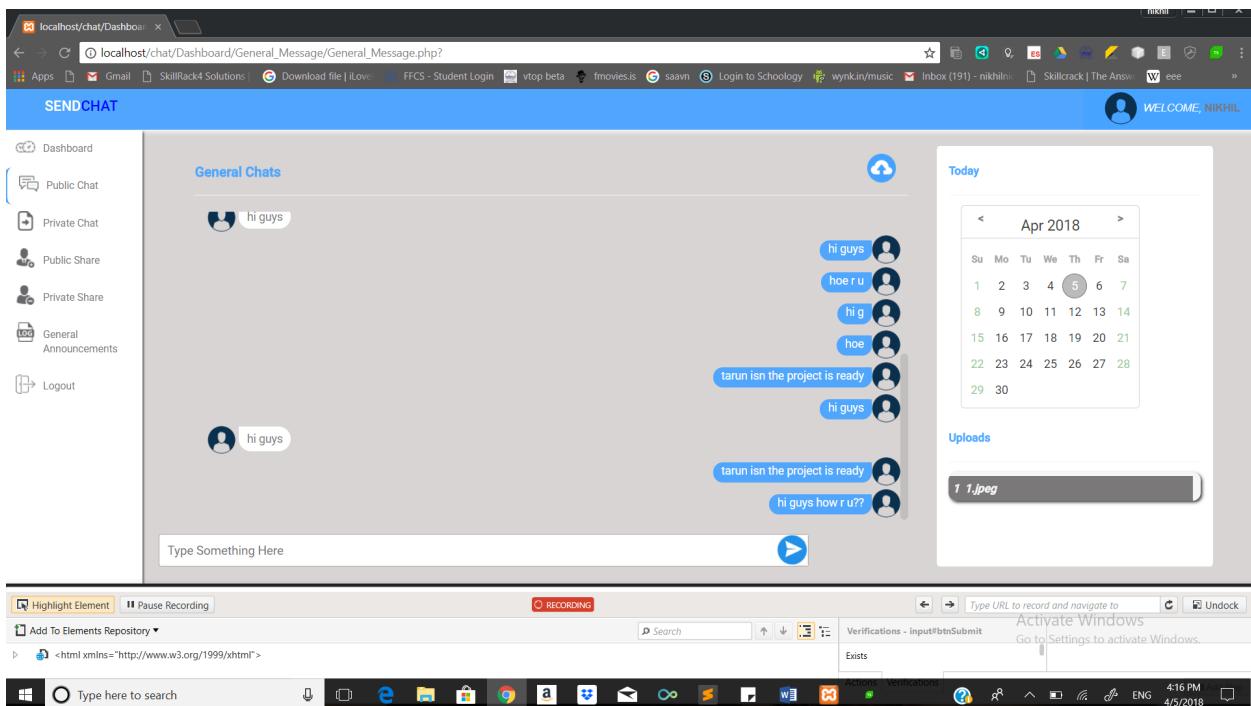
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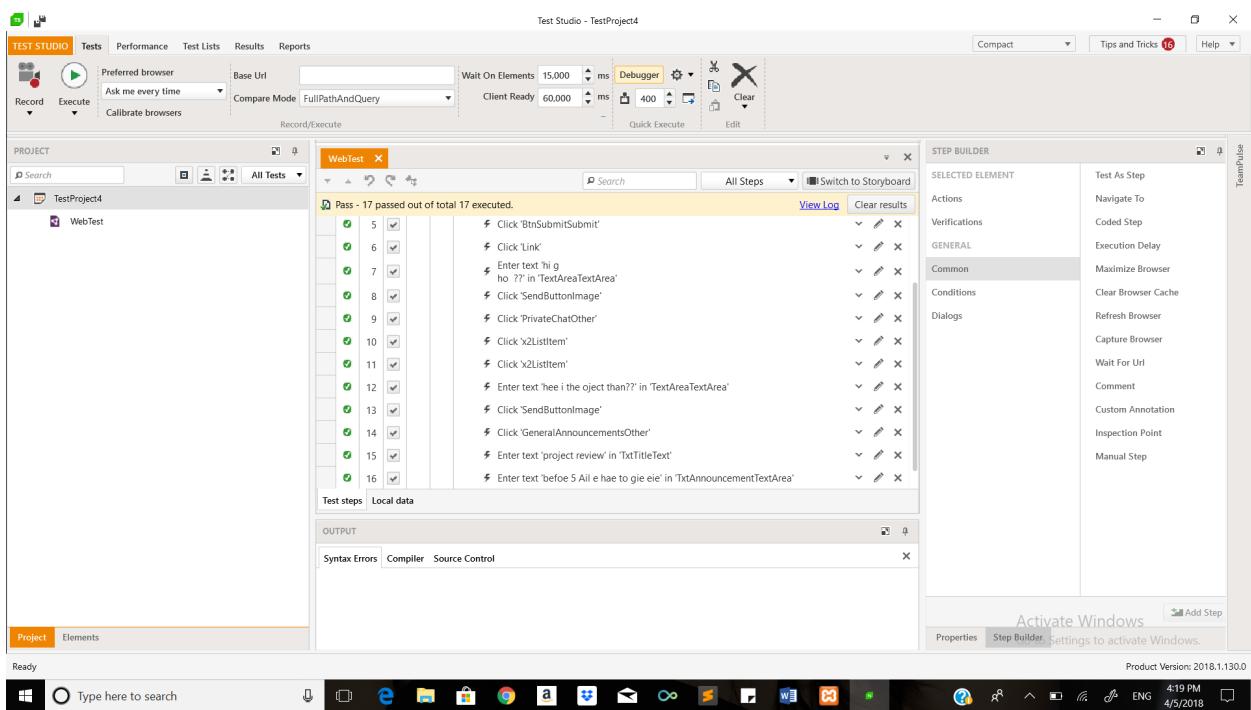
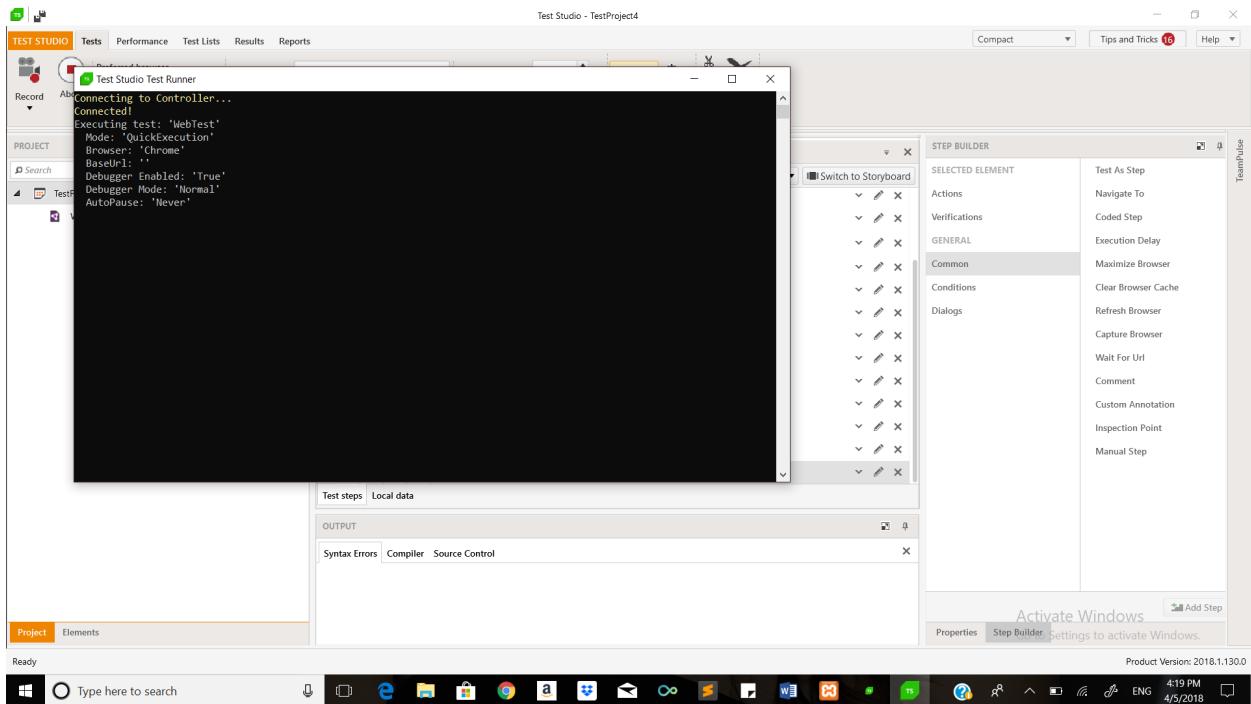
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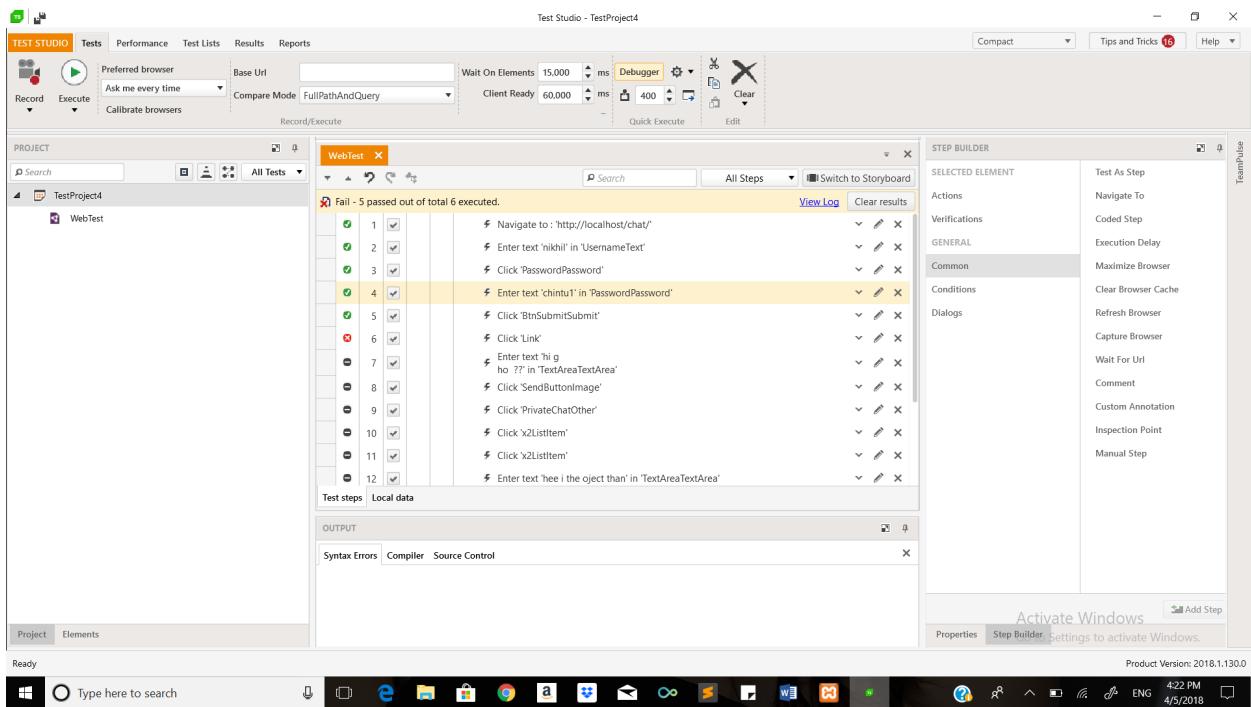
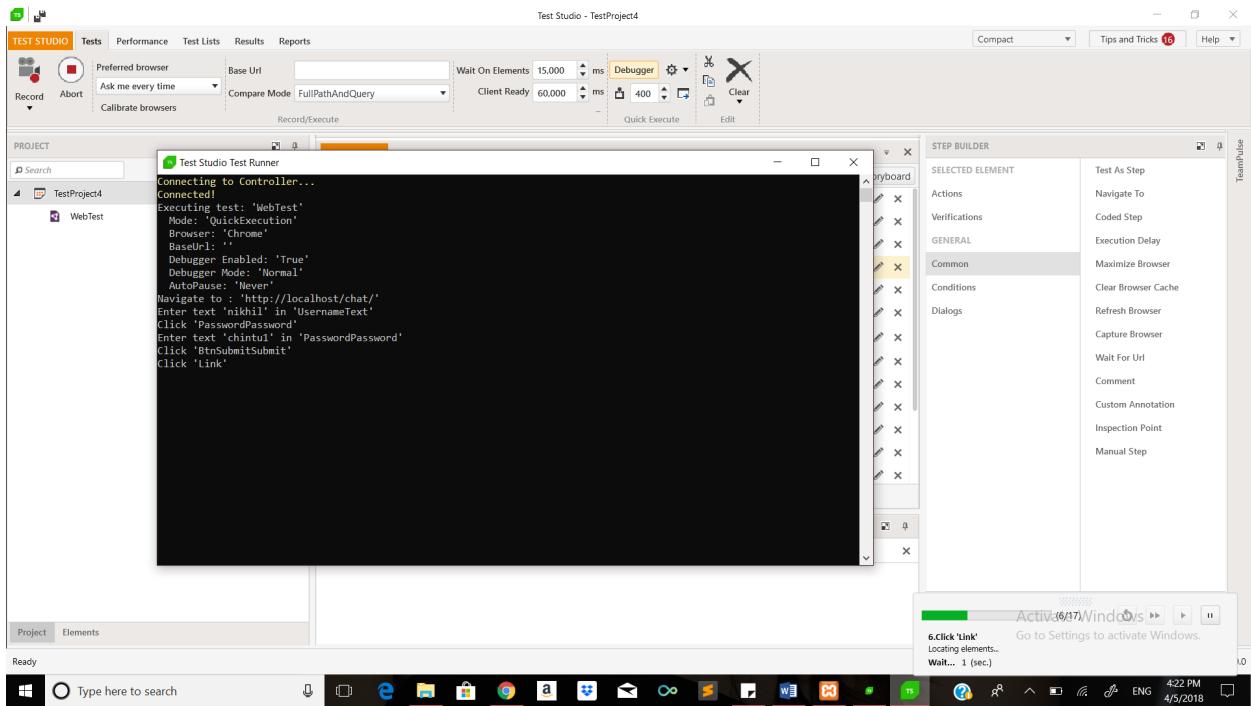
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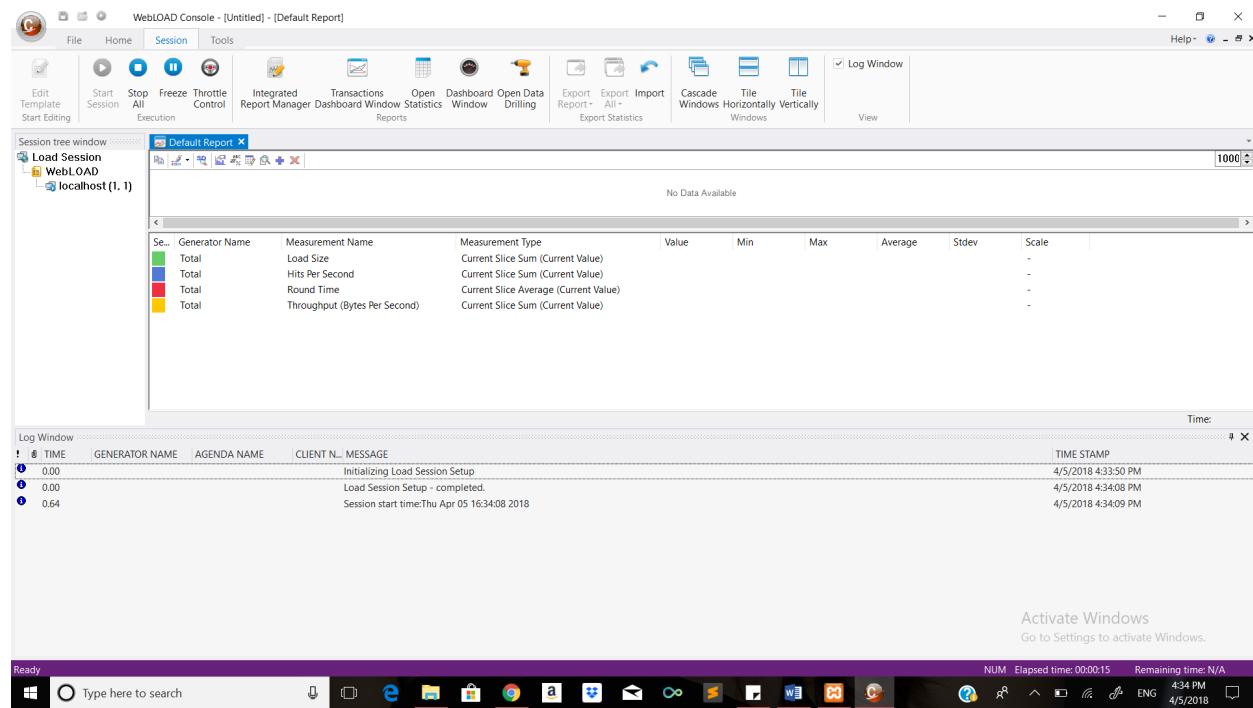
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3. WebLoad:

WebLOAD is load testing tool, performance testing, stress test web applications. This web and mobile load testing and analysis tool is from RadView Software. Load testing tool WebLOAD combines performance, scalability, and integrity as a single process for the verification of web and mobile applications. It can simulate hundreds of thousands of concurrent users making it possible to test large loads and report bottlenecks, constraints, and weak points within an application.

Using its multi-protocol support, WebLOAD simulates traffic of hundreds of thousands of users and provides analysis data on how the application behaves under load. WebLOAD monitors and incorporates statistics from the various components of the system under test: servers, application server, database, network, load-balancer, firewall, etc., and can also monitor the End User Experience and Service Level Agreement (SLA) compliance in production environments.



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