

Project Title: Web Design and Hosting Services

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Problem Statement

- Providing essential services online with regards to web designing and hosting as a one-stop destination convenient for both indie as well as corporate requirements.

Project Scope -

<u>S.No</u>	Activities In Scope	Activities Out of Scope
1	Up to 10 design concepts for each core web UI section	Creating UI elements via custom order from scratch, unless resources provided
2	Acquiring and auditing cloud servers with upscale margin	Immediate auto-scale buffer to not exceed 150% of average incoming traffic
3	Implementing promotional material via <u>AdSense</u> , <u>AdTrack</u>	Adverts to not surpass level 3 priority protocol
4	Feedback-revise-test-implement loop	Mass polls from non-users

Requirements

Functional Requirements

Requirement (#)	Requirement Specification	Department	Name of Business User	Status
E1FR1	The Sales system should allow users to record customers sales	Sales	Sales Head	working
E1FR2	Only Managerial level employees have the right to view revenue data.	Management	Project Manager	working
E1FR3	The software system should be integrated with banking API	Technical	Technical Lead	working

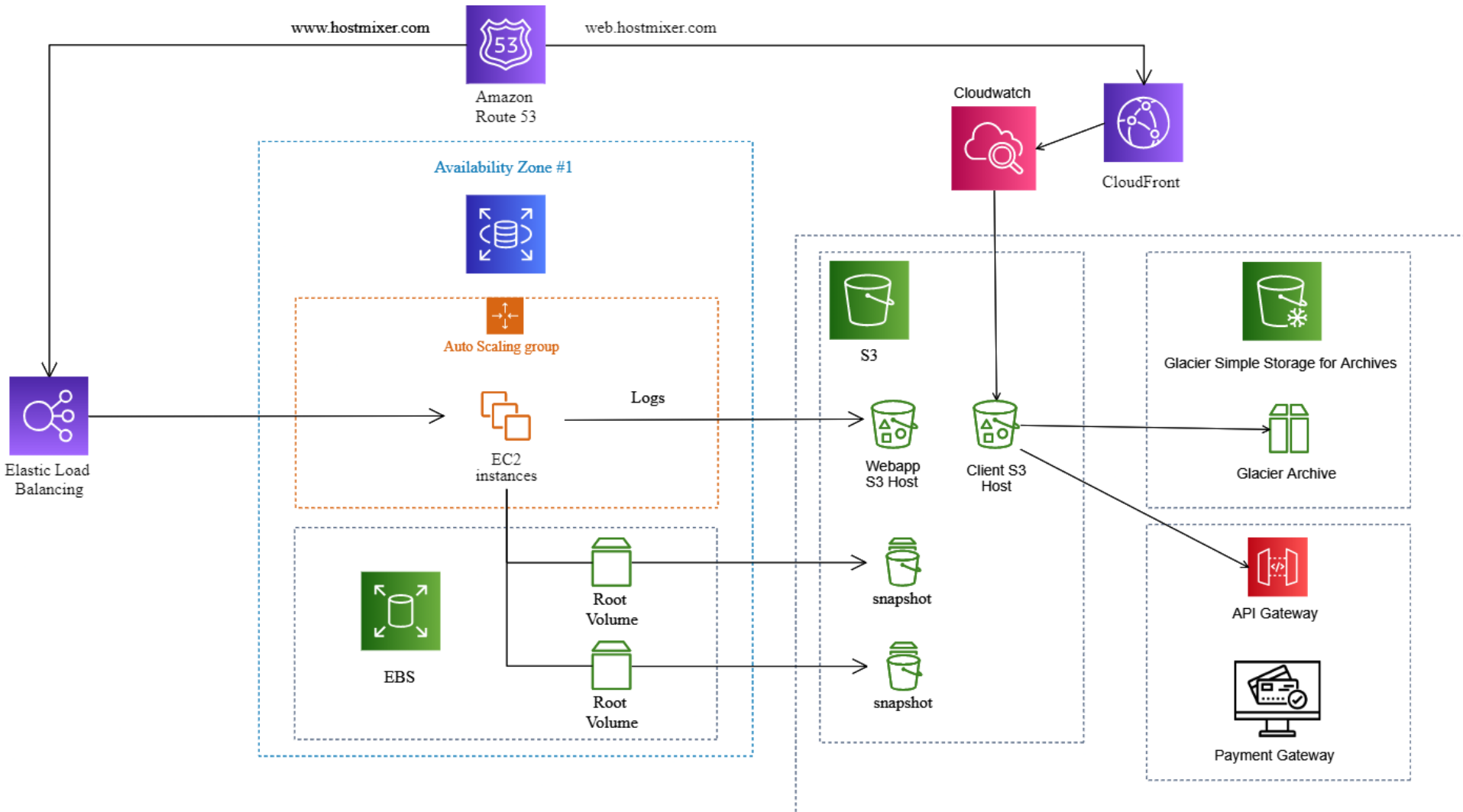
Non-Functional Requirements

Requirement (#)	Category of NFR	Requirement Specification	Department	Name of Business User	Status
NFR1	Performance	All pages should load within 3 seconds	Development	Sr. Web Developer	working
NFR2	Performance	Search should bring the results less than 7 seconds	Development	Jr. Web Developer	working
NFR3	Portability	The software should be portable. So moving from one OS to other OS does not create any problem.	Technical	Technical Lead	working
NFR4	Scalability	Registration Service should scale to serve 1000 request per second over 5 minutes <u>timespan</u>	Technical	Technical Lead	working
NFR5	Confidentiality	Privacy of information, the export of restricted technologies, intellectual property rights, etc. should be audited.	Technical	Technical head	working

Infrastructure Requirements

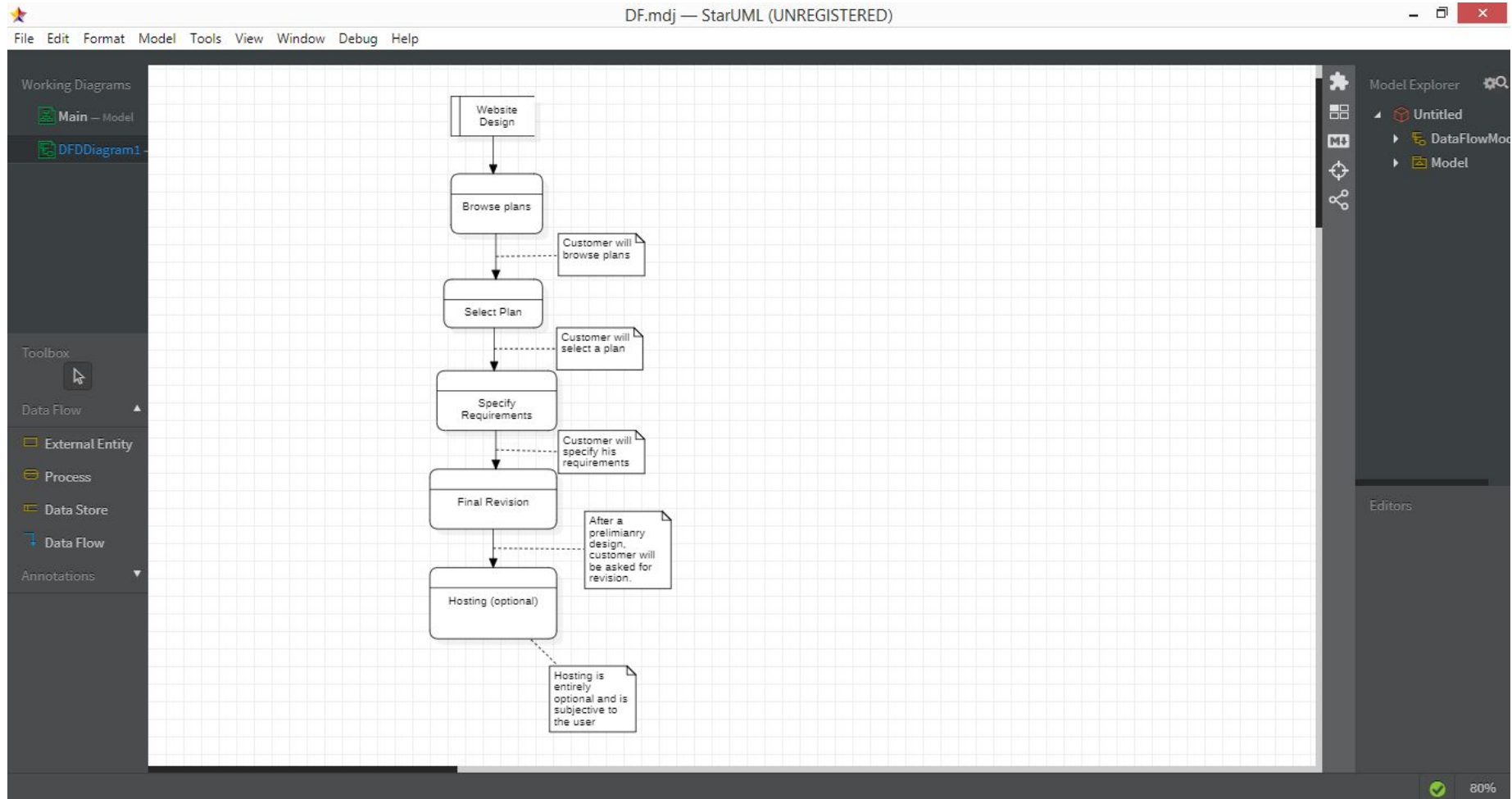
Requirement (#)	Requirement Specification	Department	Name of Business User / Project Team Member	Status
IR1	Development Machine with 6 GB Ram and 4 Cores	<u>Development and maintainance</u>	<u>Vaibhav Sharma</u>	In development
IR2	Code Repository	Code base provider	<u>Utkarsh Rastogi</u>	Available for development purpose
IR3	AWS S3 Bucket	Supplies	<u>Shivendra Pratap Singh</u>	Ready with the <u>requirments</u>
IR4	IDE – Eclipse	Base for coding	<u>Vaibhav Sharma and Utkarsh Rastogi</u>	Software pre installed in work stations

Architecture

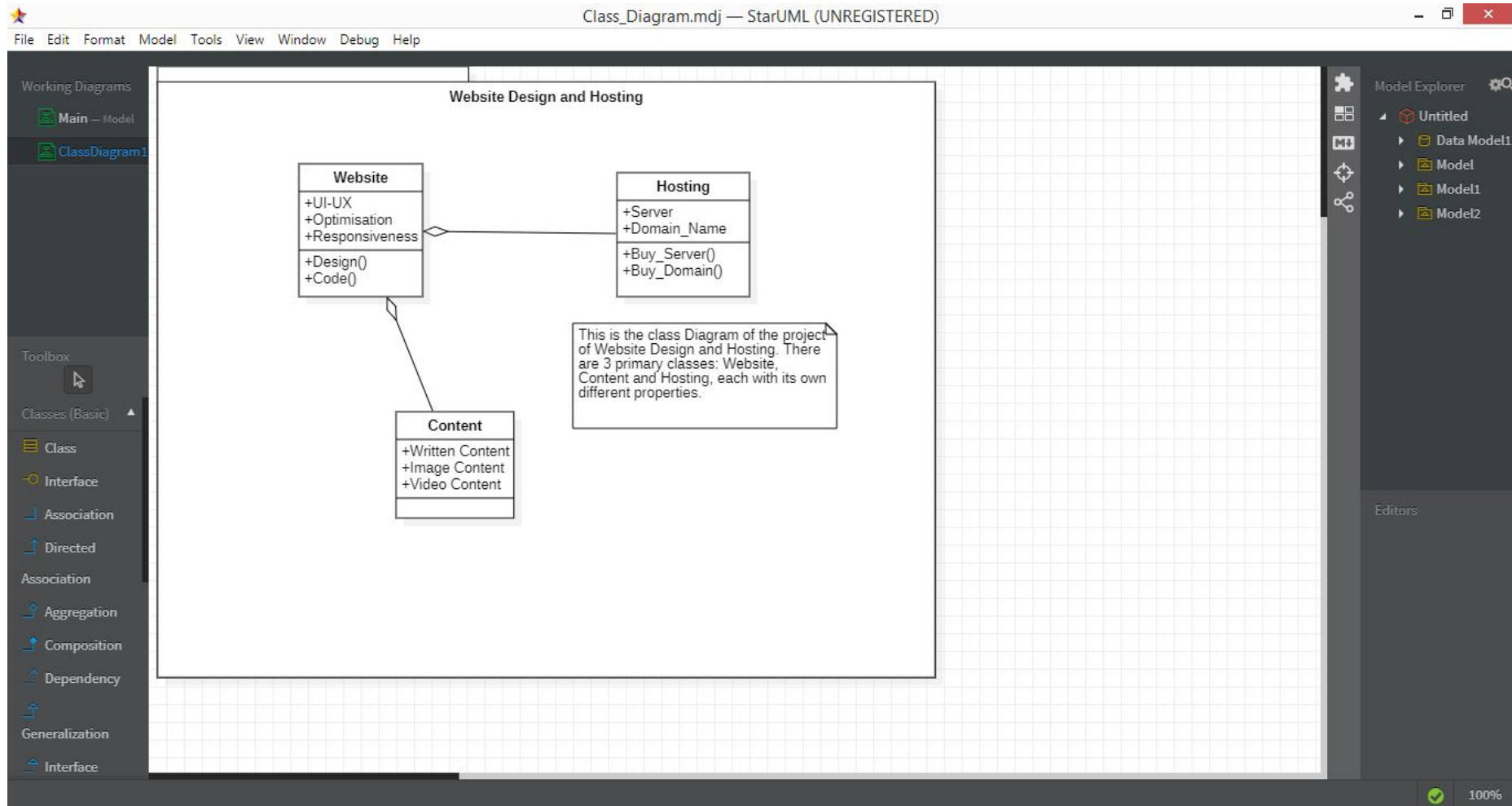


System Design

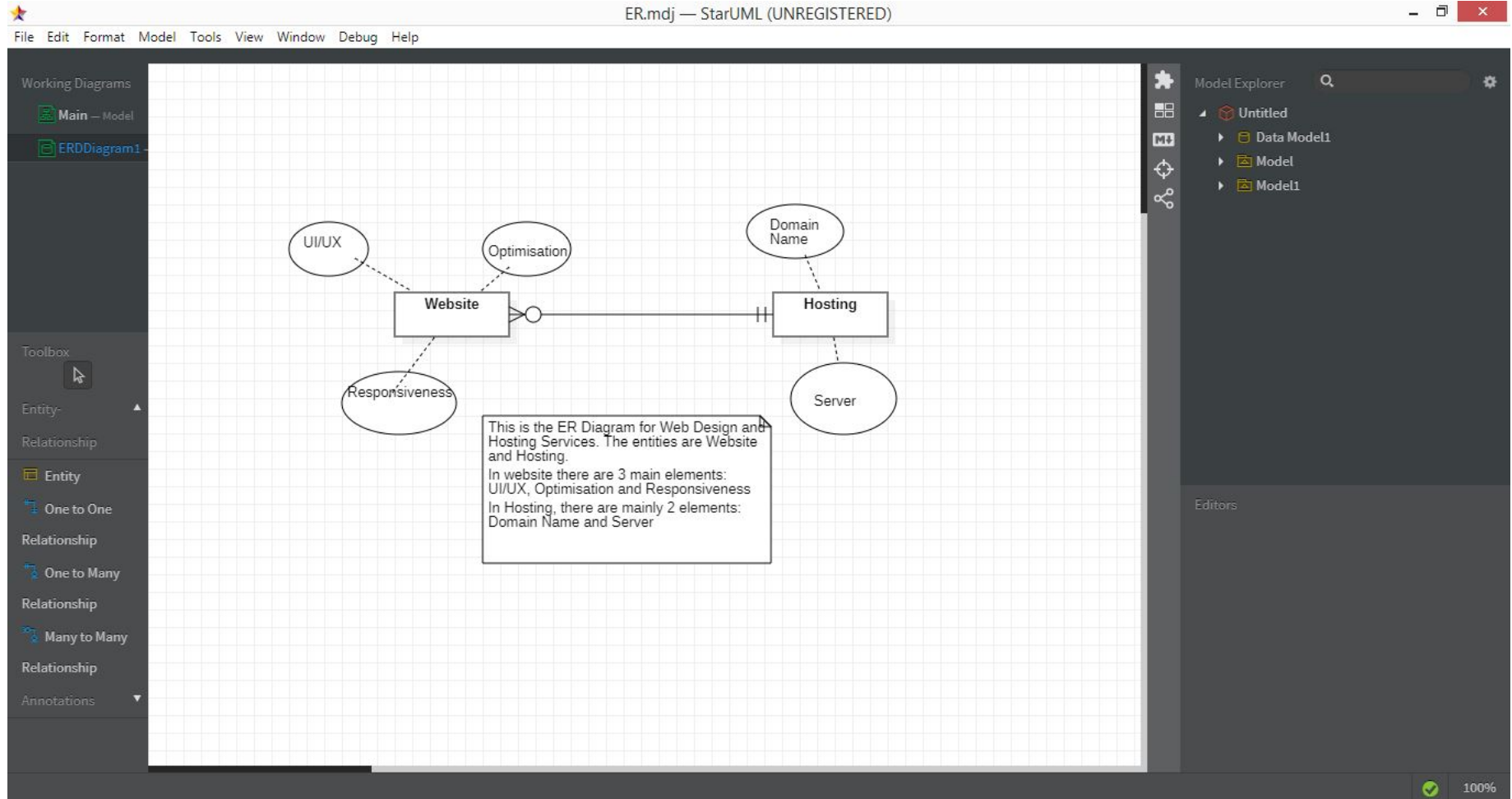
DF Diagram



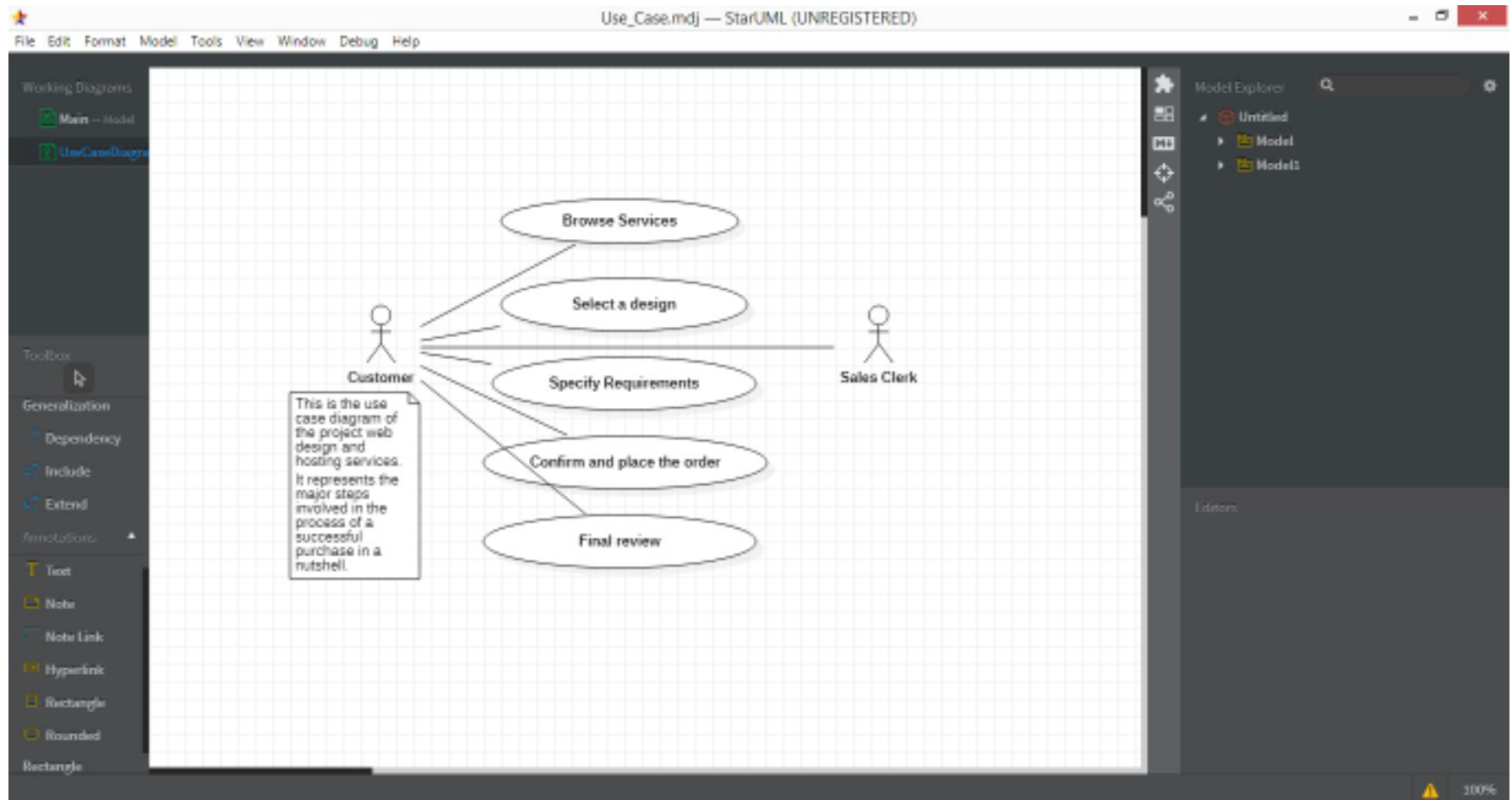
Class Diagram



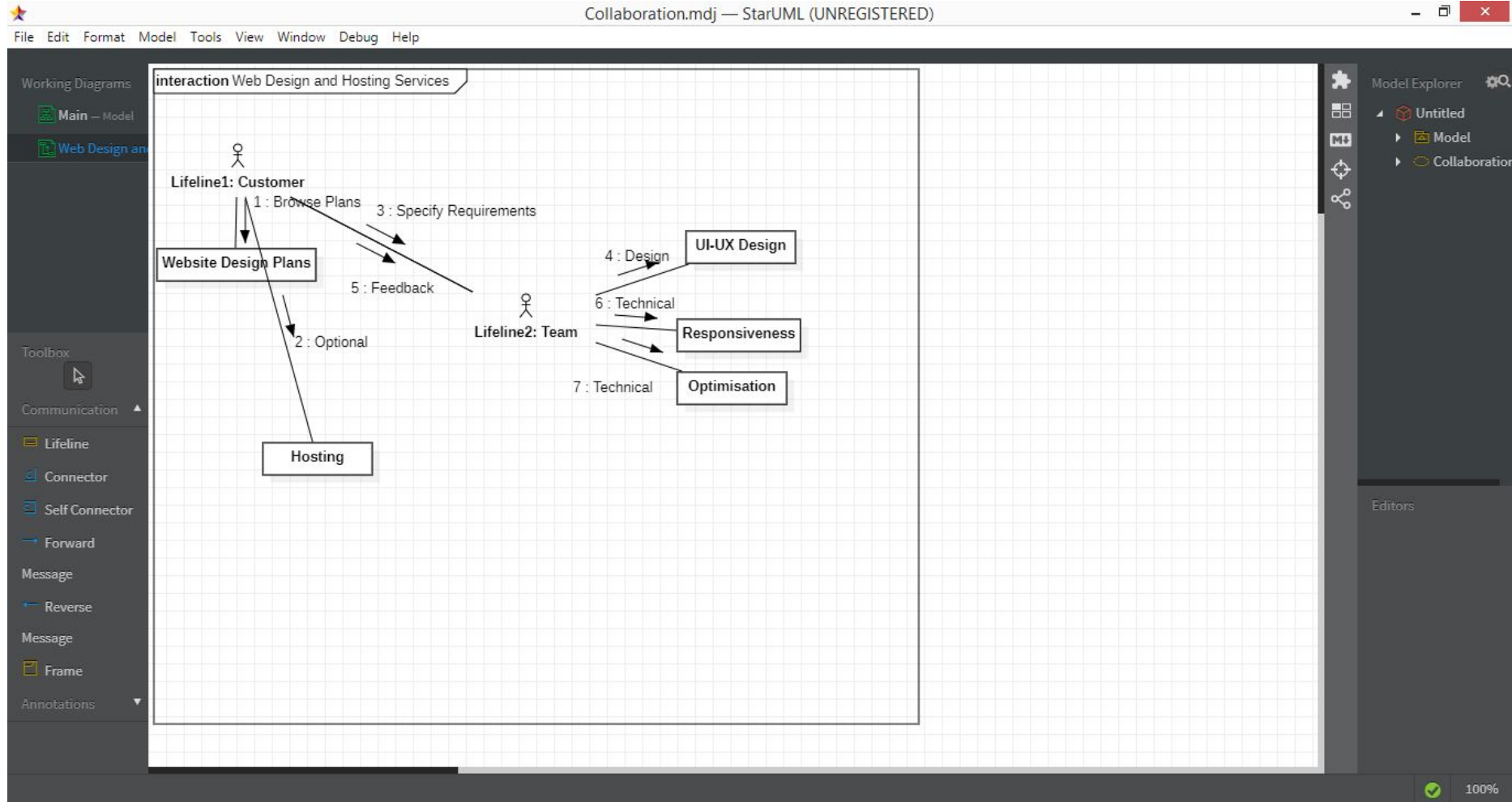
ER Diagram



Use Case Diagram



Collaboration Diagram




Implementation of Module 1

Home page

HostMixer

 Sign Up

 Login

INDUSTRIAL WEB STANDARDS

AT THE CLICK OF A BUTTON




SERVICE SUMMARY



Signup Module

HostMixer

 Sign Up

 Login

Signup

User Alpha

test@hostmixer.com

9962121210

Lucknow

House 10 P, Random Road

Submit

Confirmation Page

(User Registration Info Submitted, Account Created)

HostMixer

 Sign Up

 Login

Your free account is created. You may now login using registered credentials.



[Log in](#)

Implementation of Module 2

Login Module

(Based on User info submitted during registration)

HostMixer

 Sign Up  Login

Login to make a purchase

Email:

Password:


[Submit](#)

Don't have an account? [Register](#)

User Profile section (Post-login)

HostMixer

Sign OutProfile



Name

User Alpha

Email

test@hostmixer.com

Phone

9962121210

UID

#154Af675

U Stat

ROYCE

Regional Node


Mumbai-063

Services

Offline

Dev Dashboard

Design Station



DASH CONNECT

Resource Usage Tracker

Manage Instances

Wire Dev Team

Open Hosted Process





Services Running	0
Processes Running	0
Pending Tickets	0
Requests Placed	0
Host Memory Used	0 B

Implementation of Module 3

Login Module

HostMixer

 Sign Up

 Login

Login to make a purchase

Email:

Password:

Submit

Don't have an account? [Register](#)

Choosing between Free Tier and Paid Tiers

HostMixer

[Sign Out](#)

[Profile](#)

Welcome! Glad to have you on-board!

Now, onto the bigger choices in life

CHOOSE A SUBSCRIPTION TIER FROM
OUR ARTICULATED RANGE OF CHOICES

POWER PACKED FEATURES AT A
MORE-THAN-AFFORDABLE
PRICE RANGE

MAXIMISE WHAT YOU GET OUT OF HOSTMIXER
SUBSCRIPTIONS WITH THESE BENEFITS :

- > Scalable Cloud Hosting services with global outreach
- > Domain name allocations
- > Powerful modular web design kit
- > 24x7 internal dev team support
- > Fully interactive dash-feedback system
- > Periodic backups
- > Flexibility in hosting and exporting webpages

and MUCH more



OR

CONTINUE EXPLORING WITH FREE TIER FEATURES

Subscription Tier Catalog

HostMixer

[Sign Out](#)

[Profile](#)

Choose your Subscription Tier

MAKE THE MOST OUT OF HOSTMIXER WITH THESE TAILORMADE PLANS FOR ALL DEV NEEDS



- > Seamless elastic cloud hosting
- > Full-scale domain availability
- > Fully accessible Premium Design Toolkit

- > Powerful SEO optimization support
- > Dedicated dev team support 24x7
- > Snapshots backed up monthly



- > Seamless elastic cloud hosting
- > Full-scale domain availability
- > Full access to Standard Design Toolkit

- > Dedicated dev team support 24x7
- > Snapshots backed up monthly



- > Seamless elastic cloud hosting
- > Full-scale domain availability
- > Limited access to Standard Design Kit

- > Snapshots backed up monthly




- > Seamless elastic cloud hosting
- > Limited domain availability
- > Snapshots backed up monthly

Payment Gateway for Tier Subscription


HostMixer


Sign UpLogin


<  HOSTMIXER.co


Account number
2342352311


Select a payment method

 **Debit Card**
Visa, Mastercard, Rupay

 **Credit Card**
Visa, Mastercard

 **Netbanking**
Pay with Internet Banking Account

 **Wallet**
Pay using a Wallet

 **UPI**
Pay using BHIM, Tez and other UPI apps

Amount payable is
₹242.00

Pay with Debit Card




Card Number

Expiry Date

CVV

Cardholder's Name


Pay Now

Profile with updated Tier Info

HostMixer

Sign OutProfile



NameUser Alpha

Emailtest@hostmixer.com

Phone9962121210

UID#154Af675


U StatROYCE

Regional NodeMumbai-063

ServicesOffline

Dev Dashboard

Design Station



DASH CONNECT

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Services Running	0
Processes Running	0
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Requests Placed	0
Host Memory Used	0 B

CODE

Test Cases

Functional Test Cases

Test ID (#)	Test Scenario	Test Case	Execution Steps	Expected Outcome	Actual Outcome	Status	Remarks
FTC1	Registered user can log in	Match & confirm entered user credentials from database	Enter registered user details in login page	User logged into profile	User logged into profile	Pass	Success
FTC2	Cannot login with unregistered or incorrect user credentials	Match & confirm entered user credentials from database	Enter incorrect or unregistered user details in login page	Appropriate error message returned to user	Appropriate error message returned to user	Pass	Success
FTC3	New users redirected to plan selection module	Check if this is user's first login, then redirect to plan selection module	Login as a newly registered user	New user redirected to plan selection module	Redirected to plan selection module	Pass	Success

Non-Functional Test Cases

Test ID (#)	Test Scenario	Test Case	Execution Steps	Expected Outcome	Actual Outcome	Status	Remarks
NFTC1	Web traffic does not affect user experience	Check if page response times are within acceptable limits during high traffic	Redirect test traffic incrementally while documenting page response times	Pages should respond well even with sudden traffic spikes	Pages respond well even with sudden traffic spikes	Pass	Stable <u>upto</u> buffer traffic limits
NFTC2	UI/UX bugs	Bugs/Glitches in frontend UI/UX	Test in different device settings (PC/Mobile) and different orientations	No inconsistencies or bugs in frontend	No inconsistencies or bugs in frontend	Pass	No glitches discovered

Defect Log

Requirement #	Defect ID #	Defect Description	Assignee	Status
M1R1	1	Resource Usage Tracker lagging updates	<u>Utkarsh Rastogi</u>	Completed
M1R2	2	Function to change subscription plans not working	<u>Vaibhav Sharma</u>	In-progress

Testing Report

Category	Progress Against Plan	Status
Functional Testing	Green	Completed
Non-Functional Testing	Green	Completed; Server buffer limits variable as required

Functional	Test Case Coverage (%)	Status
M1R1	100%	Completed
M1R2	50%	In-progress