



IKEA SL - E commerce Site Project Report

Assignment- Software Process management

Submitted To: Lecture Mr. Yaras Wickremasinghe

Abstract

With the development of technology, every individual seeks easy and fast methods to fulfill their needs. When we consider about a business, it is important to handle the customers as they satisfied about the service. Customers really want fast, effective service and they mostly prefer online products or services with their busy lives.

With the use of this E- Commerce site the customers can view products, purchase orders and buy using easy payment methods like payment cards and PayPal etc. This site helps to the managers and other workers of the IKEA SL to manage the products and customers efficiently and effectively. To develop this site, we have used many tools. We have used Vue JS to develop the site and we used various tools all over the project. They are mentioned below under team description.

Acknowledgement

This is the most important part of the project. Without any gratitude nothing going to be success. So, I would like to make this a chance for give my sincere gratitude towards everyone who helped us for making this project a successful one. First and foremost, I would like to give my sincere gratitude for the lecture Mr. Yaras Wickremasinghe and Mr. Chaman Wijesiriwardana for giving us this opportunity to get knowledge and for the proper guidance and support to manage this project successfully. At last as the project manager I would like to thank for the team members for the dedication and support given to achieve our project goals.

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Testing

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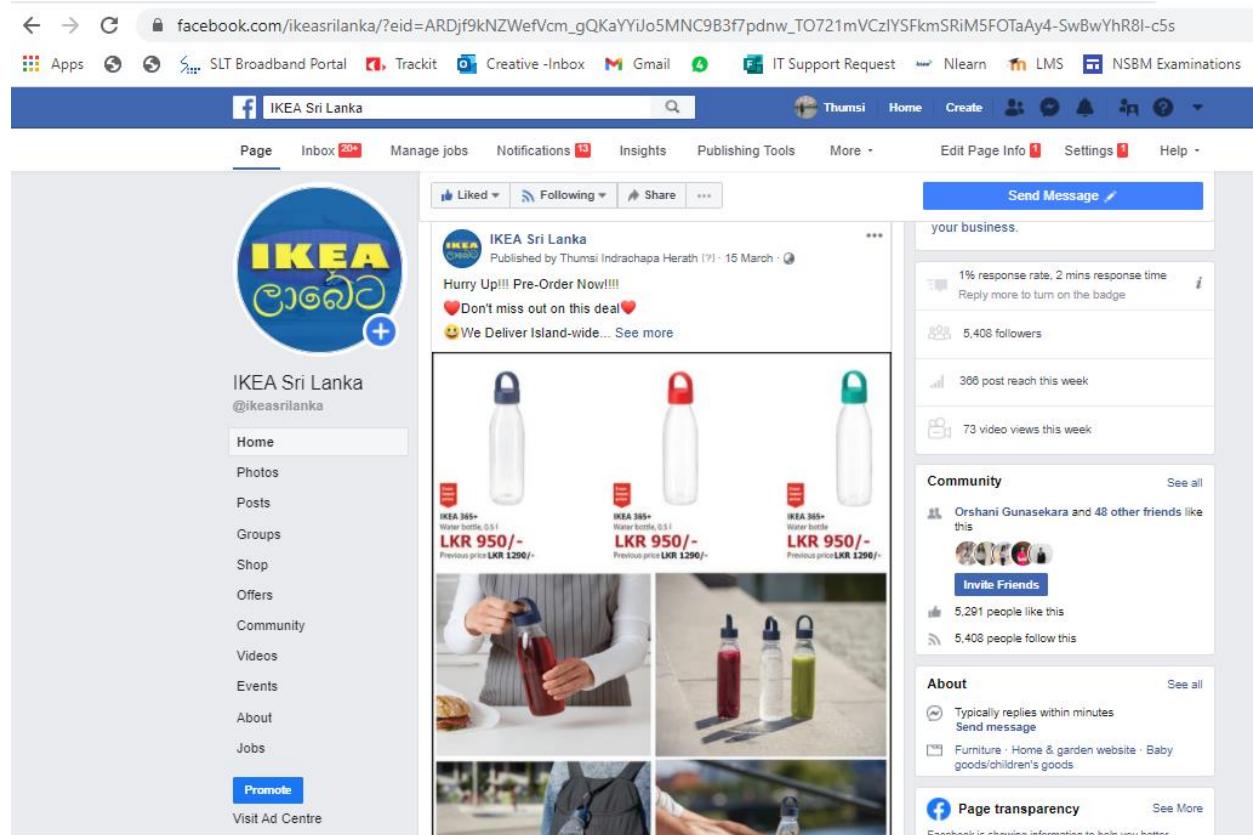
Root cause Analysis – Fish bone diagram

Introduction

IKEA SL is an online shopping business in Sri Lanka started in 2008. It is a small-scale registered business that provide many services to the customers. Furniture, Kitchen wares, bathroom items, baby items and other home & garden accessories are some of the items in their business. Within past few years they could created a huge customer base.

They promoted their business and handle it only through a FB page and a group. Customers bought their products by leaving text messages and comments on their page and group. When doing transactions, they had to face many security issues and IKEA SL had to apply delivery cost for the customers. As a result of the huge customer base, they identified that it is difficult to provide a good service through FB.

So finally, IKEA have decided that it is better to have an E-commerce site for building the trust of the customer and to improve the business services further. Then IKEA SL give their requirements to us for build the E-commerce site.





Project Proposal

For IKEA SL Online Shop E Commerce Site

Prepared By – ID Wijesinghe (Project Manager)

Project proposal

1. Overview

I. OVERVIEW

ABOUT the Organization: IKEA SL is a small-scale business organization that manage their Business through Social medias. They sell many items like furniture, kitchen items, and other home and garden accessories etc.

PROBLEM/NEEDS: As they have a huge customer base, they can't manage them only through face book and calls. So as a solution they need an **E-commerce site**

GOALS/OBJECTIVES: Provide quality and effective service to the customers.

2. Benefits of using an E-commerce site as the solution

- Websites provide more effective customer service than Facebook.

Through the websites it is easy and quick to handle the customer goods delivery and websites provide updated information every time.

- Transaction efficiency

In the websites the customer can do the transactions within a few seconds. So, it takes less time to complete the transaction process than Facebook. When considering fb business, the customer must do the payments manually and they must send the payment slips to the business group. So, it takes a long time to complete the order.

- Global Reach

Customers can be attracted from anywhere in the world through websites. It can reach new markets and expand their business easily around the world than Facebook.

- Increase in revenues

Increasing the sales throughout the year will give a great profit by selling the items through the e commerce sites. When using an fb page, it is difficult to handle the customers every single day of the year.

- Effective information management

Communication is the main part of an online business. So, the ecommerce sites remove the communication gap than the Facebook communication method. Every single information can be gathered through the site than fb. Effective Information management helps to take quick decisions

3. Milestone

Milestone	Responsible Stakeholder
1. Identify the problem	Project Manager
2. Decide the methodology	Project manager
3. Requirement gathering	Business Analyst
4. Business requirement document	Business analyst
3. User stories and assign tasks	Project Manager
4. Draw Use case diagrams/relational diagrams etc.	Business Analyst
5. Design interfaces	UI/UX Designer
6. Implementation of stories	Developer 1 and 2
7. Use interfaces designed by UI engineers.	Developers
8. Identify Bugs and prioritizing bugs	Quality Assurance Engineer
9. Fixing bugs mentioned by QA	Developers
10. Write test reports.	Quality Assurance Engineer
11. Prepare design specification	UI/UX
12. Write unit testing and performance testing	Developers
13. Writing project proposal	Project Manager

PROJECT CHARTER

1. General Project Information			
Project Name:	E-Commerce site for IKEA SL		
Executive Sponsors:	IKEA SL		
Impact of project:	Increase efficiency of IKEA service to the customers		
2. Project Team			
	Name	ID	E-mail
Project Manager:	W.A.I.D.Wijesinghe	1022773	dewminirosa10@gmail.com
Developer 1	A.J.K. Hewawasam	10022705	gamithki@gmail.com
Developer 2	N.P. Sudusinghe	10021950	npsudusinghe@gmail.com
QA Engineer	H.M.T.I.Herath	10022775	hthumsi96@gmail.com
UI /UX Engineer	J.H.M.k.Jayasundara	10021876	kasunrandika.k@gmail.com
Business Analyst	M.S.Pabasara	10023857	sandamllikaarachchi@gmail.com
3. Stakeholders			
IKEA SL online business manager			
IKEA SL Customer Service agents and other staff members.			
IKEA SL Customers			
4. Project Scope Statement			
Project Purpose / Business Justification			
E commerce site is to increase the efficiency of service provided by IKEA. Avoid disturbants when business transactions and business functions hapenning. And to create huge customer base.			
Objectives			
Increase quality of service provided to customers. Reduce wasting of time when transaction occur. Gain high profit through out the business process			
Scope			
This is an E commerce site created to focus on business functions as a customer and a admin. This project mainly focus on Admins Functionelities. Add products, handle orders and etc.			
Project Milestones			
Sprint 1- 20 th July – 31 st of July			
Sprint 2 – 3 rd Aug – 14 th - Aug			
Sprint 3- 17 th Aug – 28 th Aug			
Sprint 4-31 st Aug – 11 th Sep			
Sprint 5- 14 th Sep – 25 th Sep			

5. Communication Strategy

Status report will be created and frequency meetings will be held to manage project team.

Requirement gathering techniques used

Mainly used three techniques to gather the requirements.

1. Interview with the client
2. Questionnaires
3. Observation
4. Document Analysis

➤ Interview with the client

We got an appointment from the admins of IKEA SL to do an online interview for gathering the requirements. Given below are the interview questions that we asked from them.

- 1. Do you satisfy with this online selling through the FB page?***
- 2. What are the daily problems arise and the disadvantages of the existing system?***
- 3. Do you get a good profit from this type of selling? Do you satisfy with that profit or not?***
- 4. Are your customers satisfy with this online type? How are their responses?***
- 5. Why do you think you want a system to continue this business?***
- 6. How should the new system look like?***
- 7. What are the new features do you want in the system?***

These were the responses of the IKEA admins.

Admin	Do you satisfy with this online selling through the fb page?	What are the daily problems arise and the disadvantages of existing system?	Do you get a good profit from this type of selling? Do you satisfy with that profit or not?	Are your customers satisfy with this online type? How are their responses?	Why do you think you want a system to continue this business?	How should the new system look like?	What are the new features do you want in the system?
Mr. Suranjan Perera	Yes	using this page, we cannot give support our customer for on time	Yes, personally I satisfied	Not satisfied, they told always with us to implement web site	to increase our profit	Like a good media into communicate with our customers	Easily paying process
Mr. Ashan Silva	Satisfied	having a large assortment of products and cannot display all using fb page	Why not, this pandemic COVID-19 situation, day by day increasing our profit	Yes of course, some customer's give us good feedback as well as they are rating us	To better prices	Non-Complicated system	feature of display large assortment of products.
Mrs.K.S. Paranagama	Yes	Complicated and missing some product details	Easy price comparisons for customer is the path to increase our profit	No, because customer cannot touch product and cannot decide quality to product.	system want to more variety	User-friendly system	Proper admin panel
Mr. Vivek Algama	No, I'm not satisfied,	Complicated delivery process	No, Internet cost is greater than our profit	Middle Age customers always telling me to start shop, Not in online	To Reducing Maintainability of the system	Reduce Sales Pressure	Add customer login feature
Mr.L.P.Perera	Not bad	Risk of fraud in customer details	Yes, profit increase day by day	Yes, customer can get an	To increasing our customer loyalty	Reduce security related problems	Proper arrangement of product categories

				electronic record			
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Criteria for selecting interviewers

1. Who has the relevant information? Admins
2. Who is accessible? Customers/Users
3. Who is willing to give relevant Information? Admins and Customers
4. Who is most able to give the information? Admins

➤ Questionnaire for customers

Randomly we selected few customers who are dealing with IKEA SL. Then we got a feedback from them. For that we created a google form and distributed among the customers during their purchasing chat.

This is the form which we used to get the feedback from the customers.

https://docs.google.com/forms/d/e/1FAIpQLSf3M-dWmQZ-0IQVYgH7nxez7uw6U2fcFfNSII204Ss4FJTLow/viewform?usp=sf_link

Customer Feedback

Randomly selected customers at IKEA SL

*Required

Name of the Customer *

Your answer

! This is a required question

Customer's phone number *

Your answer

! This is a required question

Are you satisfied with this online Fb business? Yes or No and mention the reason *

Your answer

! This is a required question

What is your opinion with developing a system for this business? *

Your answer

! This is a required question

What are the extra benefits you got from this page? *

Your answer

! This is a required question

Compare to other web pages what you see new things in this page? *

Your answer

! This is a required question

What do you think about products which have in this page? *

Your answer

What are the new features do you want when developing the system? *

Your answer

Submit

Page 1 of 1

Give Below are the responses that we collected from the customers. By analyzing their responses, we identified the user requirements.

Name of the Customer	Are you satisfied with this online Fb business? Yes or No and mention the reason	What is your opinion with developing a system for this business?	What are the extra benefits you got from this page?	Compare to other web pages what you see new things in this page?	What do you think about products which have in this page?	What are the new features do you want when developing the system?
Irosha Dewmini	No, not user friendly	Great	-	Same as other pages	Nothing special	Specially want thing is quick responses
Thushani Jayaweera	Yes. But the process was bit slow	Better, I guess. So that we can purchase stuff by our own without waiting for the assistance of a customer service agent	Nothing special	Customer service is good. They are kind and helpful. And, the item details are clearly mentioned in the posts.	They have quality products	Customer should have access for viewing the products and searching the products what they want
Perera Manapperuma	Yes, because this online fb business is one of online shopping page to buying many products for customers.	Developing website is the best idea. From that, this business can get unique features, and business can easily grow	Didn't get any extra benefit	Haven't any special thing in this page	Nothing special	we like to have new products with new face
Madusha Rathnayaka	Yes. But they must develop with more things	Good	Easy	Don't know	Good	Nothing
Sewwandi Rajapaksha	No. it's not gives the good service	Great. maybe it gives chance to deal clearly with this business	There's nothing any extra benefits	There's mentioning all the details about accessories	They have good products	Must improve the fast of the process
Oshadi Ukwatha	Yes	It is a good idea	Get to know different domestic accessories that we needed to make our lives easy	It has everything clearly	Products are perfect	Customer satisfaction (They must care about what customer wants)

Karunanayaka	No never. This is a worst FB page. No customer service at all. Never response back to you	It may be good for them and customers	Nothing	Nothing any new things in this page	Products are good	Specially, what I want is quick responses
Saliya Rathnayaka	Yes definitely. IKEA is very helpful and an easy way to trade	They can up their business from that	Best customer service	Best customer service	Great	Nothing
Sajini Wasana	No. It's a fake service	Same. maybe it's given some chances to continue this business	Never i got extra benefits from this	Nothing any new things in this page	Fake products	Must develop all the things with comparing the FB page
Hasini	Yes	That is really good	Nothing	Nothing	Bad Products	Products are must be good, we want new things
Danushka Samarasingha	Yes. Good service. Well trusted	It may helpful for regular customers like us	Well trusted	Well trusted	Not bad	Customer caring must improve
Namal Wickrmanasingha	No. Very rude customer service	It's a great idea	Nothing	Nothing	Duplicate products	Whole FB page must change.
Nethmini Reka	No. Poor advertising	Great	Communicate is okay	Customer caring	Not good, not bad	Advertising must be clear and must fulfil with the all details
Rebecca Meegahapola	Never use this site to buy something	Perfect. now i can be trusted about this	Nothing	Nothing	Not quality	we want freedom to check the all products as our choice
Nipuni Piyumali	No, I ordered electrical kettle, but I got water bottle	Thanks for that	No	No	Products are good	Customer satisfaction must improve
Sandakalum Hewage	No. I ordered table fan I wait eight days	Nothing special	Never I got extra benefits from this	Always they get the excuses for their missed works	Products are good and cheap	They must know what customer want
Priya Zeenath	No. Very poor service	Great	No	No	There are not quality products	Good service
Piumika Perera	Yes. Trustworthy platform	Best thing	Quick service	Good service	Good products are there	Process must happen faster.
Thisra Rajapaksha	Yes. IKEA is a trusted site	Perfect. i can deal with more trust	Helpful, easy to select best things	Well trusted	Perfect products with cheap prices	Increase the time of process

Collected Responses:

<https://docs.google.com/spreadsheets/d/1Mn6hBa3JmjetiHZZbtXrav-uUOV-eXWsCEAblokrVmY/edit#gid=1039895937>

➤ **Questionnaire for Staff Members**

We created another google questionnaire form to the Staff members of IKEA SL FB page. To get feedback about this FB page.

<https://docs.google.com/forms/d/e/1FAIpQLScHdzFL1Df4vfvK0l7ubljWysZLvSBdqnAoYdfTIpLX5XgpIQ/viewform>

Questionnaire Form

For Staff Members at IKEA SL

*Required

What is your position in your company? *

Your answer

Do you like to work in here using the online technique? What's the reason for that? *

Your answer

What are the advantages you get from this? *

Your answer

Do you able to understand this technology without IT knowledge? *

Your answer

Why this necessary as a web site? *

Your answer

Submit

 Page 1 of 1

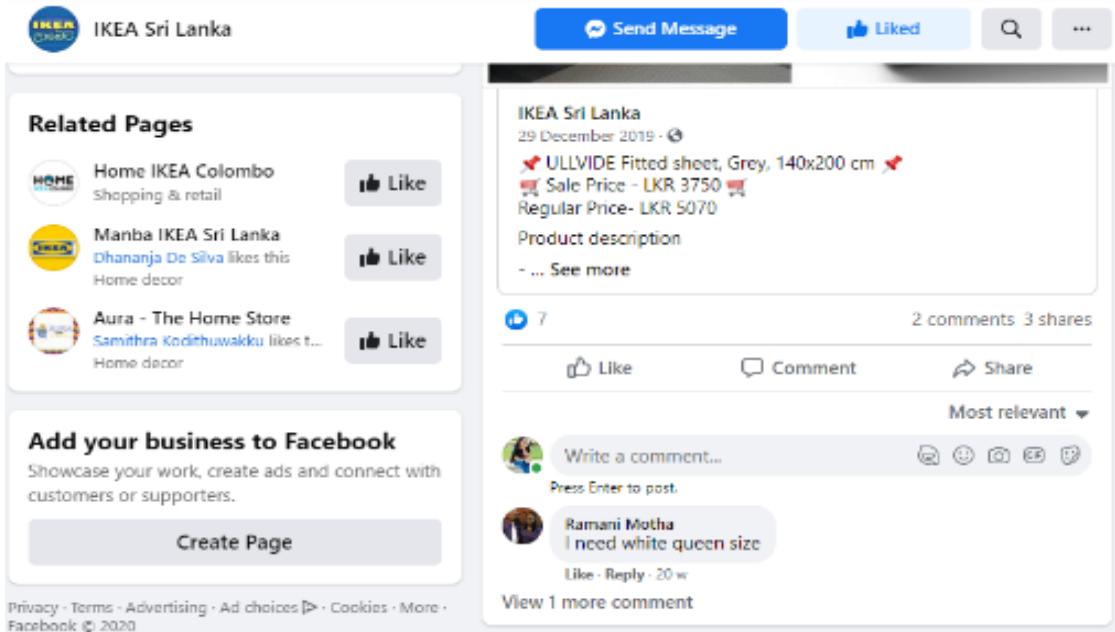
What is your position in your company?	Do you like to work in here using the online technique? What's the reason for that?	What are the advantages you get from this?	Do you able to understand this technology without IT knowledge?	Why this necessary as a web site?
Customer handling	Yes. It will be easy and fast when there is a payment gateway.	Will be able to provide a faster, reliable and higher rate of service	No	To provide a fast and reliable service.
Editor	Yes. Easy to handle	Can handle product details easily.	Yes. It is user friendly.	To place orders and make payment without any delay.
Moderator	Yes, easy and not wasting the time	Time reducing, efficiency	little bit	We can deal with customer quickly
Advertiser	Yes	-	No	Can easily manage the process
Analyst	Yes	Can understand easily	Yes	Easy to use

Collected Responses:

<https://docs.google.com/spreadsheets/d/1jnTvBaVs5wekOGyBMPg3nUxJ1EFFHOJNEp9TRovAan8/edit?ts=5fc4fa4e#gid=144188975>

➤ Observation

We have observed that, there are 5268 followers in this page and most of the customers have asked questions regarding the products. Through there's a huge customer based during the observation what we have noticed the page admin haven't responded to the queries and the messages that the customers have sent.



IKEA Sri Lanka

Send Message Liked

Related Pages

- Home IKEA Colombo Shopping & retail Like
- Manba IKEA Sri Lanka Dhananja De Silva likes this Home decor Like
- Aura - The Home Store Samithra Kodithuwakku likes this Home decor Like

Add your business to Facebook
Showcase your work, create ads and connect with customers or supporters.

Create Page

IKEA Sri Lanka 29 December 2019 ·                              <img alt="link icon" data-bbox="7995

IKEA Sri Lanka

better understand the purpose of a Page. See actions taken by the people who manage and post content.

Page created – 1 August 2018

Related Pages

- Home IKEA Colombo Shopping & retail
- Manba IKEA Sri Lanka Dhananja De Silva likes this Home decor
- Aura - The Home Store Samithra Kodithuwakku likes this Home decor

Add your business to Facebook
Showcase your work, create ads and connect with customers or supporters.

Send Message **Liked** **...**

TVÄRS Table lamp, Turquoise

Hurry Up!!! Grab Yours Now !!!!
Heart Don... See more

3 1 comment 1 share

Like **Comment** **Share**

Most relevant ▾

Write a comment... Press Enter to post.

Himani Athauda Elangasinghe Do I still have this if so need five

Like · Reply · 7 w

IKEA Sri Lanka 29 December 2019 ·

Limited Time only

IKEA Sri Lanka

Related Pages

- Home IKEA Colombo Shopping & retail
- Manba IKEA Sri Lanka Dhananja De Silva likes this Home decor
- Aura - The Home Store Samithra Kodithuwakku likes this Home decor

Add your business to Facebook
Showcase your work, create ads and connect with customers or supporters.

Create Page

Privacy · Terms · Advertising · Ad choices · Cookies · More · Environmetal Policy

Send Message **Liked** **...**

Artificial flower,carnation,dark lilac,30cm **Rs.350/-** **Rs. 540/-**

IKEA Sri Lanka 15 August 2019 ·

1 comment 2 shares

Like **Comment** **Share**

Most relevant ▾

Write a comment... Press Enter to post.

Madhu De Can I buy? How many colors?

Like · Reply · 40 w

IKEA Sri Lanka 8 February ·

TÄSIÖN Slippers, grey, L/XL

➤ Document Analysis

We got the permission from the admins of IKEA SL to go through the web page to dig into the information. From that we got an idea what are the features we should include in the system. This helps to us to prepare question for validating the requirements correctness and completeness.

Requirements Analysis

Functional Requirements

- Any number of customers should be able to access the system at any time to purchase the products.
- User should not have a requirement to login to the system.
- Administrator should be able add products with price to the database.
- Administrator should be able to update or delete the products in the database.
- (After buying and making payments, the products should be sent to customers' addresses that they have given – not a system requirement)
- Customer should be able view, add to cart, search, remove, make purchase and checkout the products.
- Admin should be able to add products, view, control, add orders.
- Any interaction between the user and the system should not exceed 2 seconds.
- The system should receive updated inventory information every 15 minutes.
- These end users should see their processing details only during their business hours.

Non-Functional requirements

Non-Functional requirements describe user visibility aspects of the system that are not directly related to the functional behavior of the system.

- **Usability:** The ease with which a user learns to operate, prepare inputs for, and interpret outputs of a system or component.
- **Reliability:** The ability of a system or component to perform its required functions under stated conditions for a specified period.
- **Performance:** Concerned with quantifiable attributes of the system. Ex., response time, throughput, availability and accuracy.
- **Security:** This system should be handling only by the Administrator.
- **Availability:** This will be available any customers. Administration officer add and update item records.
- **Maintainability:** Backup for database are available.

Interface Requirements

- Quick in response.
- Effectively handling operational errors

- Providing simple yet consistent user interface
- **No-Redundancy:** In the proposed system at most care would be that no information is repeated anywhere, in storage or otherwise. This would assure economic use of storage space and consistency in the data stored.
- **Accuracy:** The level of accuracy in the proposed system will be higher. All operation would be done correctly, and it ensures that whatever information is coming from the center is accurate.
- **Immediate storage of information:** In FB page there are many problems to store the largest amount of information.
- **Efficiency:** The system must provide easy and fast access without consuming more cost.

HARDWARE and SOFTWARE Specification

Hardware

- A Computer with USB port
- Servers
- Printer
- Wi-Fi
- Keyboard
- Mouse

Software

- Windows OS
- Vue.js
- Firebase

Feasibility Study

In a project, the feasibility study would be carried out in mainly three main aspects.

1. Technical Feasibility
2. Operational Feasibility
3. Economic Feasibility

1.) Technical Feasibility

- The system being modular to the administrator. The administrator can add new features and expand the system if wants.
- The system is capable to hold the data to be used.
- The system provides adequate response to the customers.
- Any number of customers can access the system at any time.
- System is completely liable with proper security.

✓ So, we can say that our system is technically feasible.

2.) Operational Feasibility

- The system will improve the total performance.
- Customers may able to experience the convenient mode of operation.

- The system provides a better market for different suppliers apart from the main warehouse.
 - ✓ So, we can say that our system is operationally feasible.

3.) Economic Feasibility

- The profit increases.
- Cheap maintenance of the system.
- The system is very affordable since there are no materials needed. It only uses a computer and an internet connection.
 - ✓ So, we can say that our system is economically feasible.

Stakeholders of the project

They are the parties who are interested in the software that's been carried out by us. The following are the individual parties,

- The module leader in – charge
- The group members of the project
- Customers
- Admins
- Staff Members

Business Value

- Improve the continuity and efficiency of the service.
- Shopping while in the comfort of customer's own home, without having to step out.
- Improve the sales.
- Increase the profit.

Special issues or Constraints

- Since there are many online shopping systems worldwide, we need to bring this system to the market as soon as possible.
- Since all the people do not have a good knowledge about the technology this system should be simple to access and use.

Necessary specifications and operations of the user interface that will meet the functional requirements

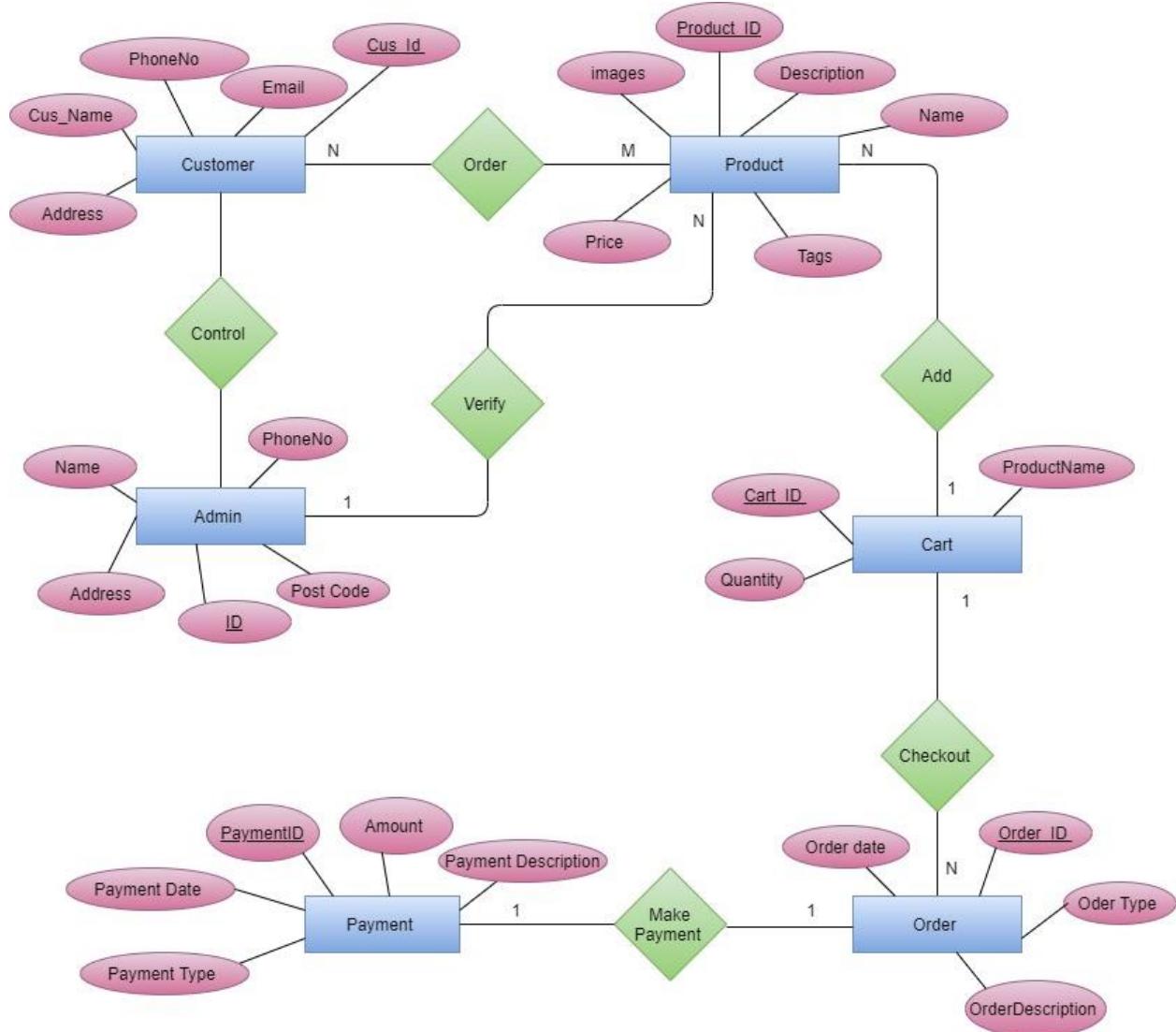
Functional requirements of a user interface are usually listed in a document. It must meet three specific criteria.

- Formality
- Correctness
- Standard creation

Graphical Illustrations of the System to be,

1. Entity Relationship Diagram
2. Use- Case Diagram
3. Class Diagram
4. Sequence Diagram
5. State Transition Diagram
6. Data Flow Diagram

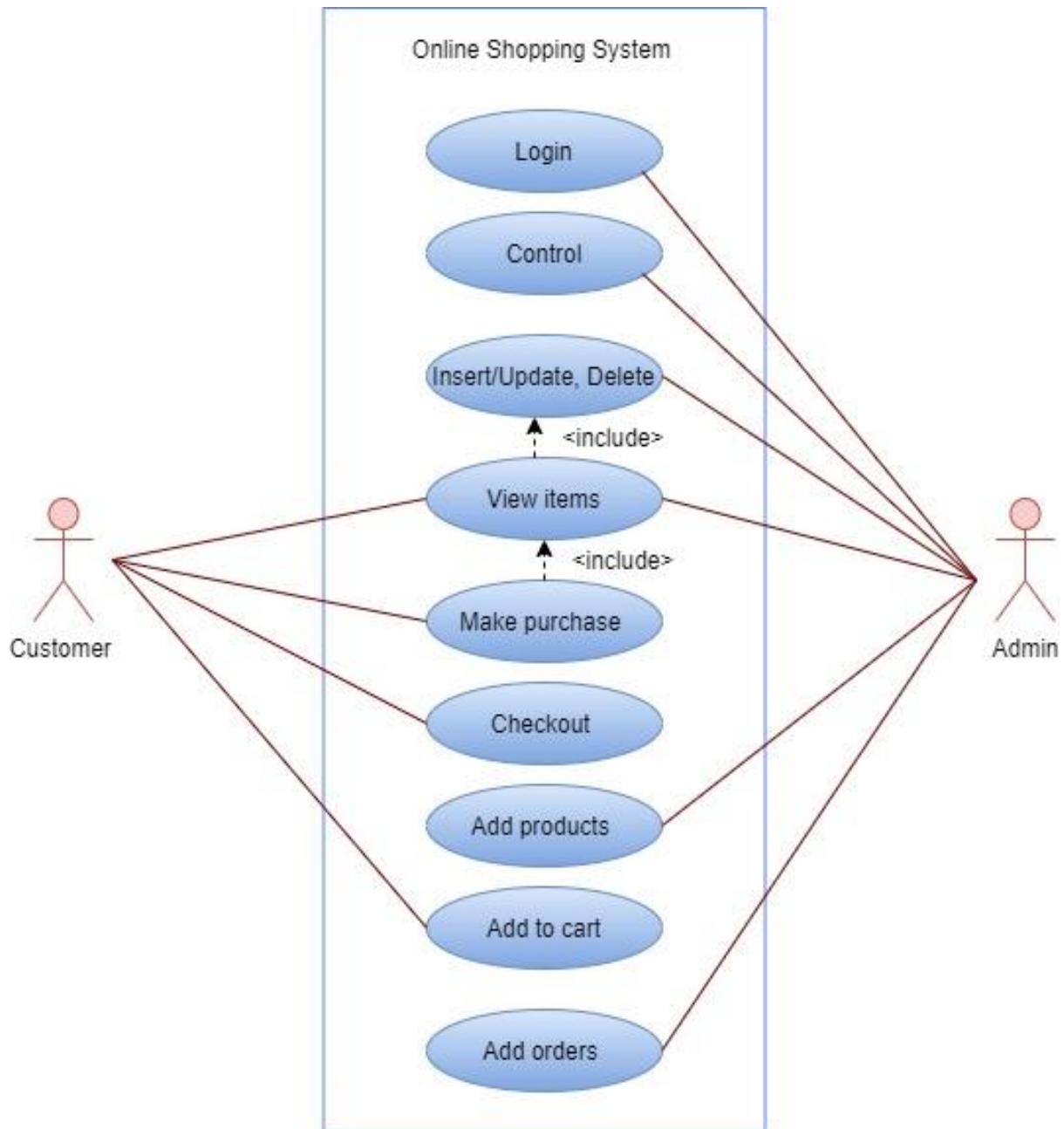
1. Entity Relationship Diagram



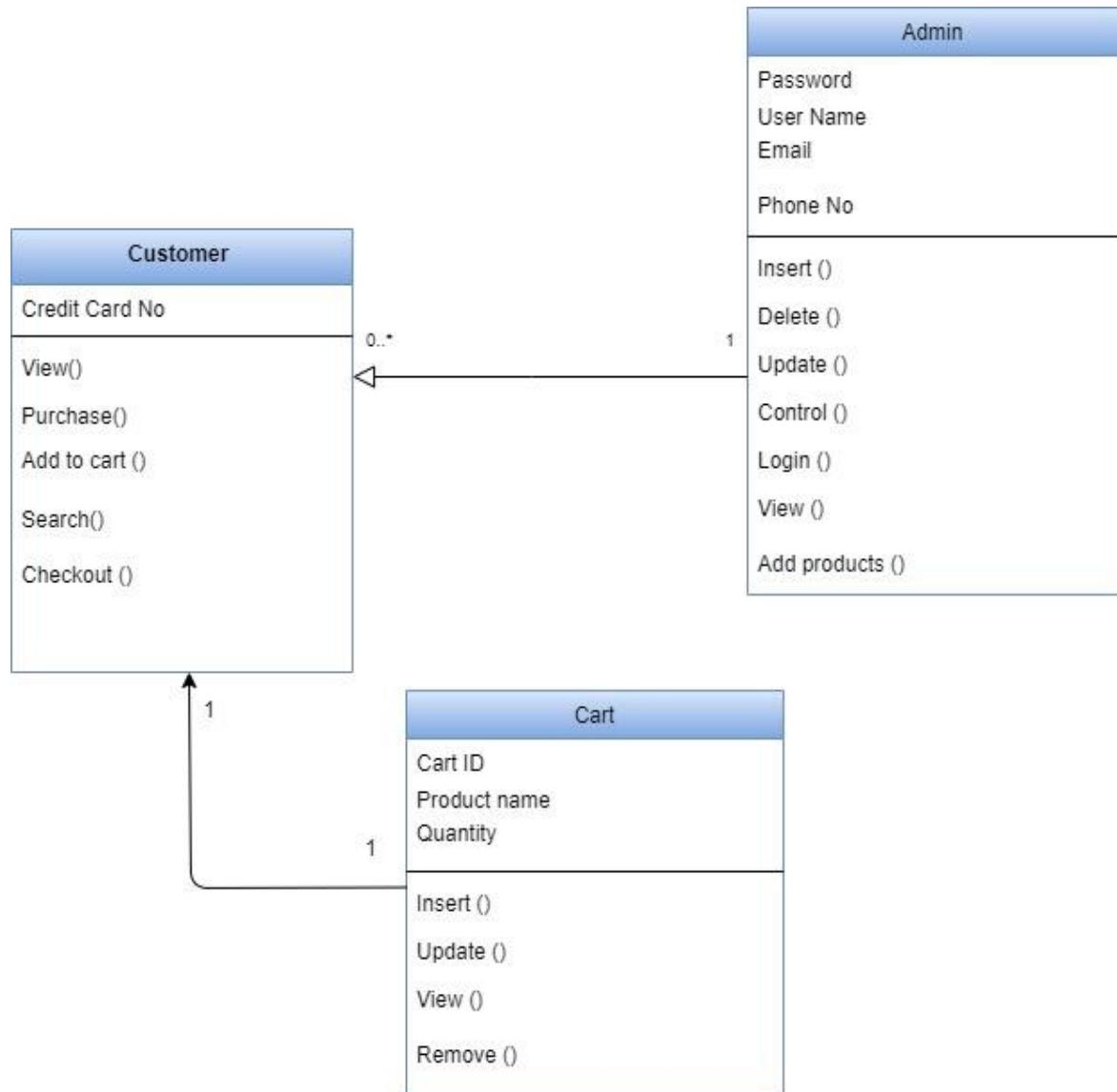
Assumptions:

- Many customers can order many products
- Admin can verify many products
- Lots of products add to a cart
- One cart has one order
- An order is making one payment

2. Use case diagram

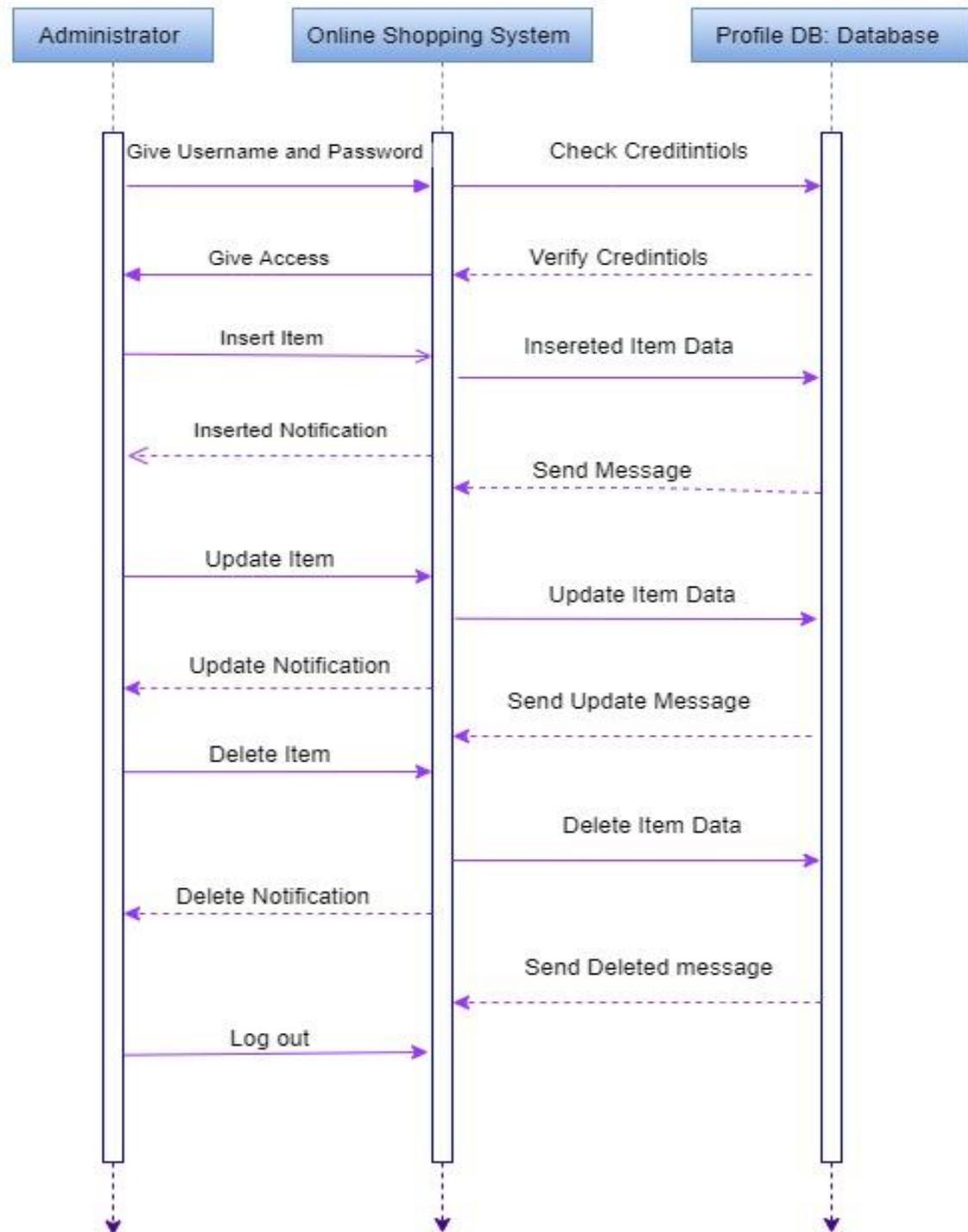


3. Class Diagram

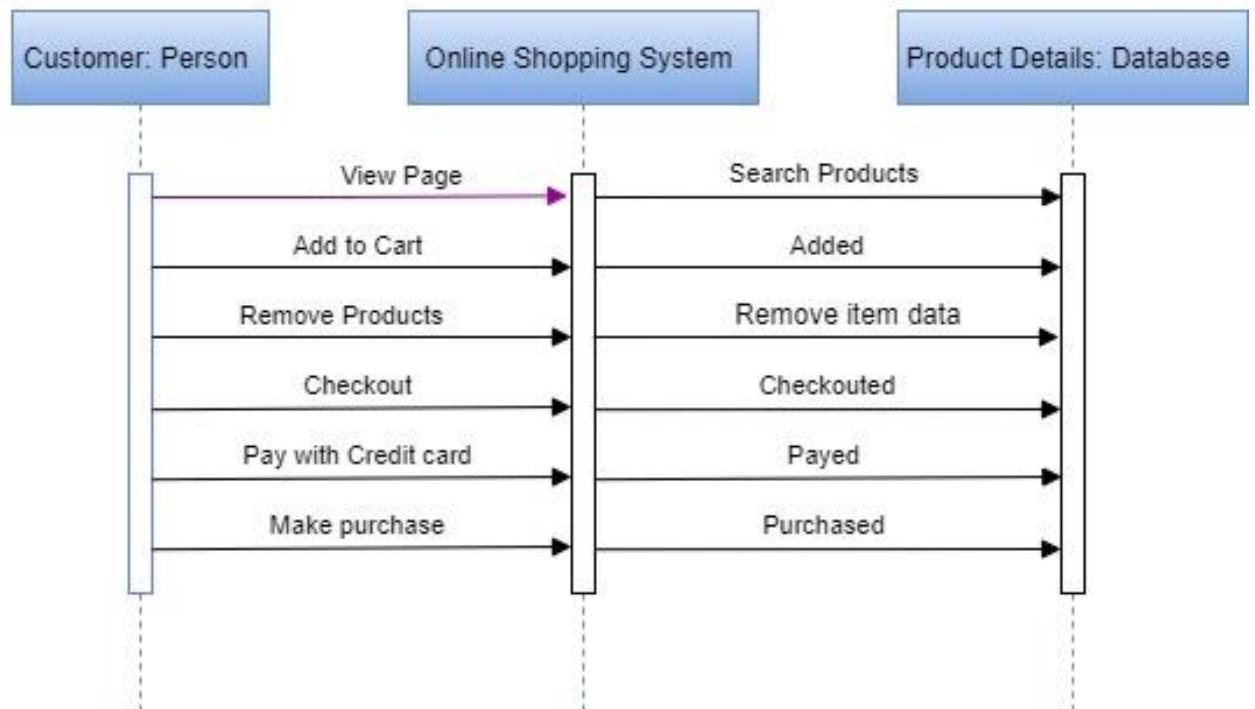


4. Sequence Diagram

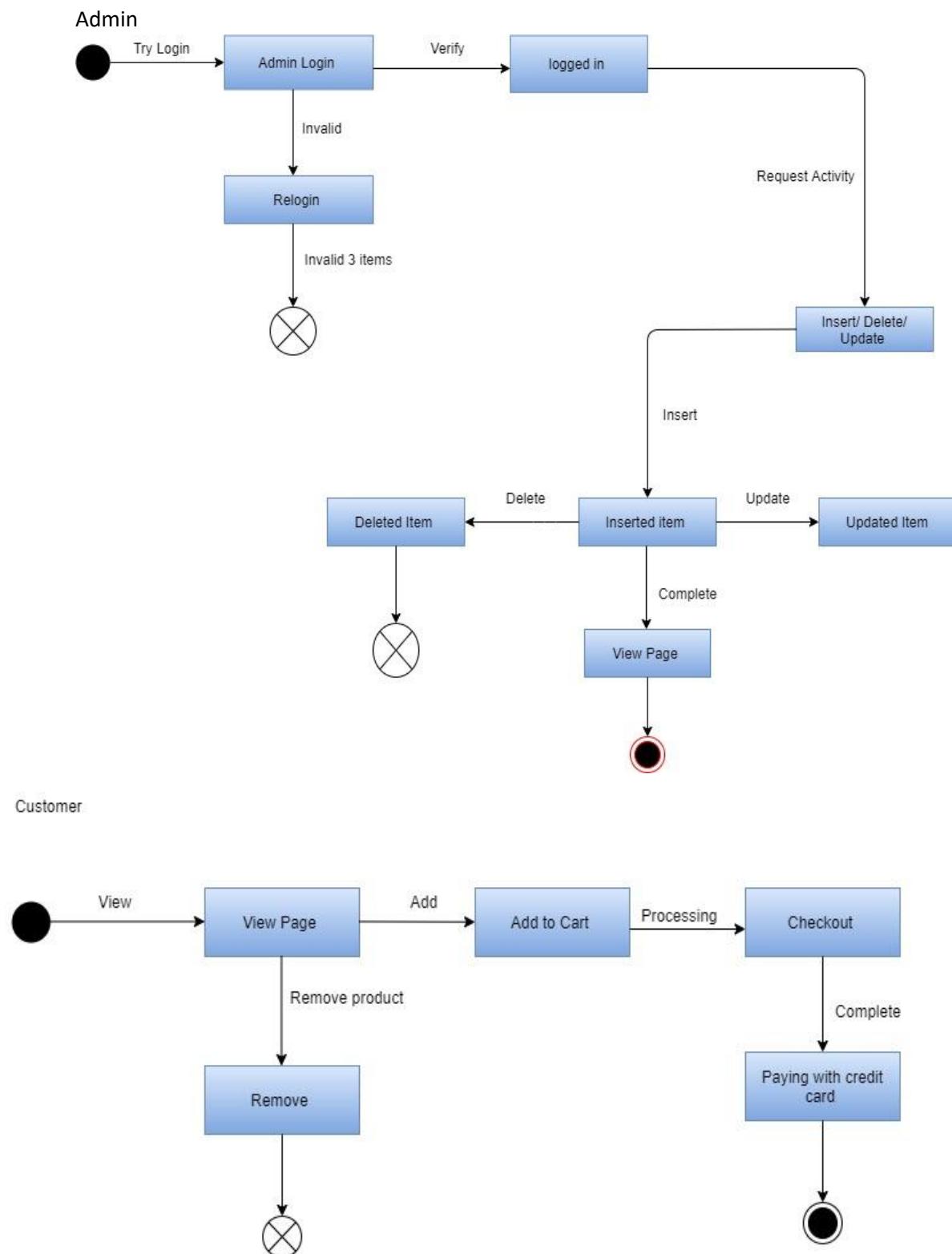
A.) Admin



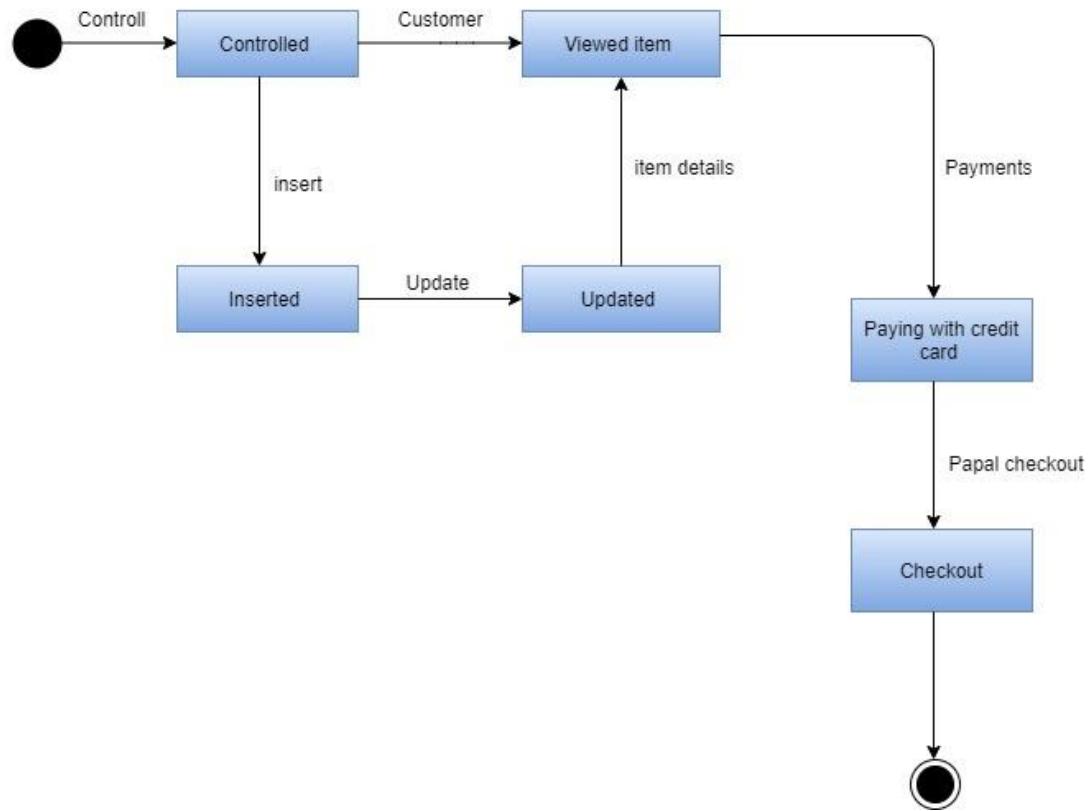
Customer



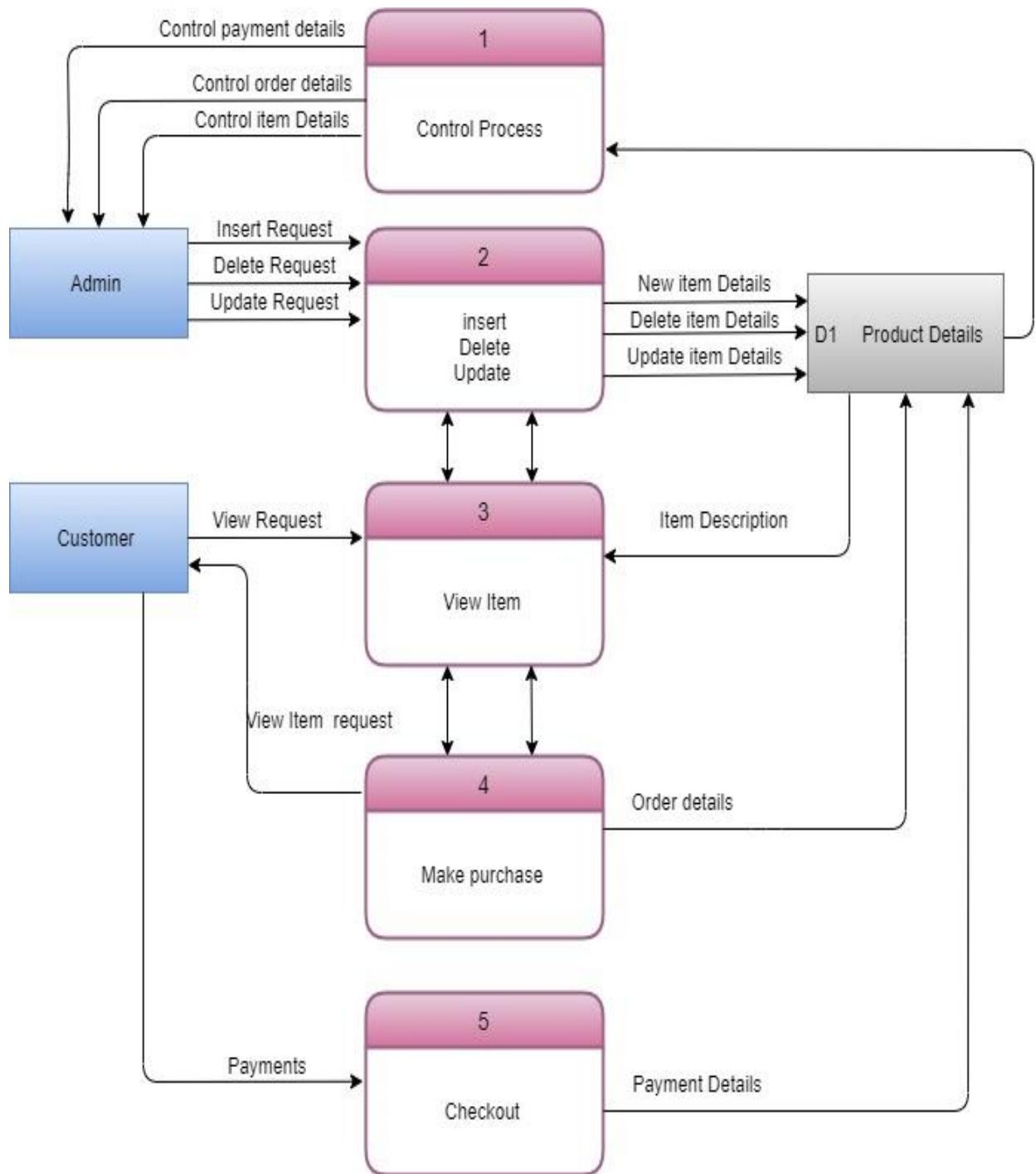
5. State Transition Diagram



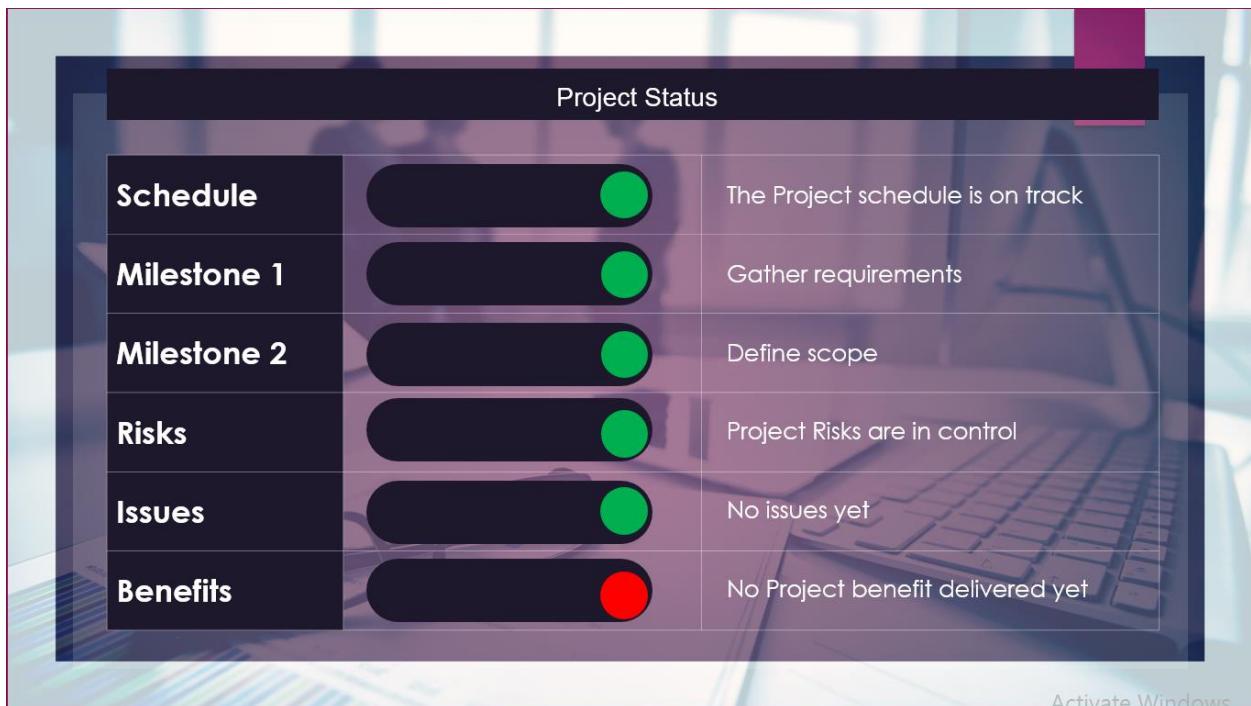
Controll



6. Data Flow Diagram



Status report



WEEK 2 EMPLOYEE PERFORMANCE

BA	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; border-radius: 50%;"></div></div>	Performance is excellent
UI/UX Engineer	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; border-radius: 50%;"></div></div>	Performance is excellent
Developer 1	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; border-radius: 50%;"></div></div>	Performance is excellent
Developer 2	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; border-radius: 50%;"></div></div>	Performance is excellent
QA	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; border-radius: 50%;"></div></div>	Performance is excellent
PM	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; border-radius: 50%;"></div></div>	Performance is excellent

[Activate Windows](#)

Week 2 Project Status

Schedule	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; border-radius: 50%;"></div></div>	The Project schedule is on track
Milestone 1	<div style="width: 100%;"><div style="width: 100%; background-color: #28a745; border-radius: 50%;"></div></div>	Write user stories in progress
Milestone 2	<div style="width: 100%;"><div style="width: 50%; background-color: #ffc107; border-radius: 50%;"></div></div>	Sprint 1 in progress
Risks	<div style="width: 100%;"><div style="width: 100%; background-color: #dc3545; border-radius: 50%;"></div></div>	Risk are in control
Issues	<div style="width: 100%;"><div style="width: 100%; background-color: #dc3545; border-radius: 50%;"></div></div>	Major issues not identified yet
Benefits	<div style="width: 100%;"><div style="width: 50%; background-color: #ffc107; border-radius: 50%;"></div></div>	Release 1 in progress

[Activate Windows](#)

WEEK 3 EMPLOYEE PERFORMANCE

BA	<div style="width: 100%;"><div style="width: 100%; background-color: green;"></div></div>	Performance is excellent
UI/UX Engineer	<div style="width: 100%;"><div style="width: 100%; background-color: green;"></div></div>	Performance is excellent
Developer 1	<div style="width: 100%;"><div style="width: 100%; background-color: green;"></div></div>	Performance is excellent
Developer 2	<div style="width: 100%;"><div style="width: 100%; background-color: green;"></div></div>	Performance is excellent
QA	<div style="width: 100%;"><div style="width: 100%; background-color: green;"></div></div>	Performance is excellent
PM	<div style="width: 100%;"><div style="width: 100%; background-color: green;"></div></div>	Performance is excellent

[Activate Windows](#)

WEEK 3 Project Status

Schedule	<div style="width: 100%;"><div style="width: 100%; background-color: green;"></div></div>	The Project schedule is on track
Milestone 1	<div style="width: 100%;"><div style="width: 100%; background-color: green;"></div></div>	Sprint 1
Milestone 2	<div style="width: 100%;"><div style="width: 50%; background-color: yellow;"></div></div>	Sprint 2
Risks	<div style="width: 100%;"><div style="width: 10%; background-color: red;"></div></div>	Risk are in control
Issues	<div style="width: 100%;"><div style="width: 10%; background-color: red;"></div></div>	1 issue found
Benefits	<div style="width: 100%;"><div style="width: 50%; background-color: yellow;"></div></div>	Release 1 in progress

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Action and Issue tracker

IKEA SL E-COMMERCE SITE

No	Release	Sprint	Epic	Process	Entered by	Task	Responsible	Due date	Completed on	Status
1	1	1	Admin start	Admin login	Project Manager	User story 1	Project Manager	20.07.20	22.07.20	done
2	1	1	Admin start	Admin login	Project Manager	Review requirements	Business Analyst	20.07.20	22.07.20	done
3	1	1	Admin start	Admin login	Project Manager	Design	UI/UX engineer	20.07.20	22.07.20	done
4	1	1	Admin start	Admin login	Project Manager	Develop	Developer 1	20.07.20	22.07.20	done
5	1	1	Admin start	Admin login	Project Manager	Test	QA Engineer	20.07.20	22.07.20	done
6	1	1	Home page	View product	Project Manager	User story 2	Project Manager	22.07.20	24.07.20	done
7	1	1	Home page	View product	Project Manager	Design	UI/UX engineer	22.07.20	24.07.20	done
8	1	1	Home page	View product	Project Manager	Develop	Developer 1	22.07.20	24.07.20	done
9	1	1	Home page	View product	Project Manager	Test	QA Engineer	22.07.20	24.07.20	done
10	1	1	Admin start	Admin signup	Project Manager	User story 3	Project Manager	24.07.20	29.07.20	done
11	1	1	Admin start	Admin signup	Project Manager	Design	UI/UX engineer	24.07.20	29.07.20	done
12	1	1	Admin start	Admin signup	Project Manager	Develop	Developer 1	24.07.20	29.07.20	done
13	1	1	Admin start	Admin signup	Project Manager	Test	QA Engineer	24.07.20	29.07.20	done
14	1	1	Admin Dashboard	Admin Product area	Project Manager	User story 4	Project Manager	29.07.20	03.07.20	done
15	1	1	Admin Dashboard	Admin Product area	Project Manager	Review requirements	Business Analyst	29.07.20	03.07.20	done
16	1	1	Admin Dashboard	Admin Product area	Project Manager	Design	UI/UX engineer	29.07.20	03.07.20	done
17	1	1	Admin Dashboard	Admin Product area	Project Manager	Develop	Developer 1	29.07.20	03.07.20	done
18	1	1	Admin Dashboard	Admin Product area	Project Manager	Test	QA Engineer	29.07.20	03.07.20	done
19	1	1	Verify	Issues	QA Engineer	Correct issues	Developer 1	29.07.20	03.07.20	done

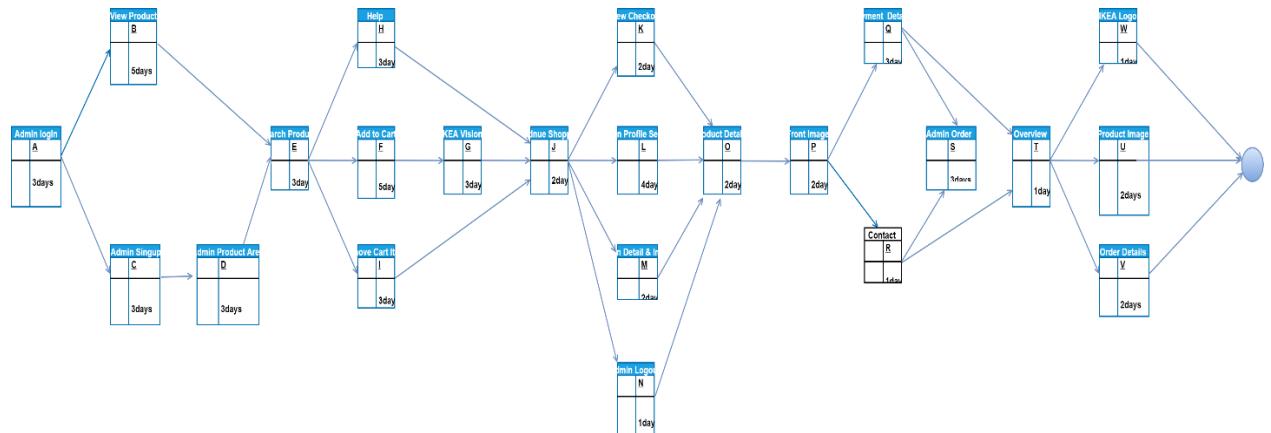
Activate Windows

20	1	2	Home page	Search product	Project Manager	User story 5	Project Manager	03.07.20	06.08.20	done
21	1	2	Home page	Search product	Project Manager	Design	UI/UX engineer	03.07.20	06.08.20	done
22	1	2	Home page	Search product	Project Manager	Develop	Developer 2	03.07.20	06.08.20	done
23	1	2	Home page	Search product	Project Manager	Test	QA Engineer	03.07.20	06.08.20	done
24	1	2	Home page	Add to cart	Project Manager	User story 6	Project Manager	06.08.20	10.08.20	done
25	1	2	Home page	Add to cart	Project Manager	Design	UI/UX engineer	06.08.20	10.08.20	done
26	1	2	Home page	Add to cart	Project Manager	Develop	Developer 2	06.08.20	10.08.20	done
27	1	2	Home page	Add to cart	Project Manager	Test	QA Engineer	06.08.20	10.08.20	done
28	1	2	Home page	IKEA Vission	Project Manager	User story 7	Project Manager	10.08.20	11.08.20	done
2	1	2	Home page	IKEA Vission	Project Manager	Review requirements	Business Analyst	10.08.20	11.08.20	done
30	1	2	Home page	IKEA Vission	Project Manager	Design	UI/UX engineer	10.08.20	11.08.20	done
31	1	2	Home page	IKEA Vission	Project Manager	Develop	Developer 2	10.08.20	11.08.20	done
32	1	2	Home page	IKEA Vission	Project Manager	Test	QA Engineer	10.08.20	11.08.20	done
33	1	2	Home page	Help	Project Manager	User story 8	Project Manager	11.08.20		open
34	1	2	Home page	Help	Project Manager	Review requirements	Business Analyst	11.08.20		open
35	1	2	Home page	Help	Project Manager	Design	UI/UX engineer	11.08.20		open
36	1	2	Home page	Help	Project Manager	develop	Developer 2	11.08.20		open
37	1	2	Home page	Help	Project Manager	Test	QA Engineer	11.08.20		open
38	2	2	cart	remove cart items	Project Manager	user story 9	Project Manager	12.08.20	17.08.20	done
39	2	2	cart	remove cart items	Project Manager	Review requirements	Business Analyst	12.08.20	17.08.20	done
40	2	2	cart	remove cart items	Project Manager	Design	UI/UX engineer	12.08.20	17.08.20	done
41	2	2	cart	remove cart items	Project Manager	Develop	Developer 2	12.08.20	17.08.20	done
42	2	2	cart	remove cart items	Project Manager	Test	QA Engineer	12.08.20	17.08.20	done

38	2	2	cart	remove cart items	Project Manager	user story 9	Project Manager	12.08.20	17.08.20	done
39	2	2	cart	remove cart items	Project Manager	Review requirements	Business Analyst	12.08.20	17.08.20	done
40	2	2	cart	remove cart items	Project Manager	Design	UI/UX engineer	12.08.20	17.08.20	done
41	2	2	cart	remove cart items	Project Manager	Develop	Developer 2	12.08.20	17.08.20	done
42	2	2	cart	remove cart items	Project Manager	Test	QA Engineer	12.08.20	17.08.20	done
43	2	2	cart	continue shopping	Project Manager	user story 10	Project Manager	17.08.20	19.08.20	done
44	2	2	cart	continue shopping	Project Manager	design	UI/UX engineer	17.08.20	19.08.20	done
45	2	2	cart	continue shopping	Project Manager	develop	Developer 2	17.08.20	19.08.20	done
46	2	2	cart	continue shopping	Project Manager	Test	QA Engineer	17.08.20	19.08.20	done
47	2	2	cart	view check out	Project Manager	user story 11	Project Manager	19.08.20	21.08.20	done
48	2	2	cart	view check out	Project Manager	Design	UI/UX engineer	19.08.20	21.08.20	done
49	2	2	cart	view check out	Project Manager	Develop	developer 2	19.08.20	21.08.20	done
50	2	2	cart	view check out	Project Manager	test	QA Engineer	19.08.20	21.08.20	done
51	2	2	Verify	Issues	QA Engineer	Correct issues	developer 2	19.08.20	21.08.20	done
52	2	3	Admin Dashboard	Admin profile setting	Project Manager	user story 12	Project Manager	21.08.20	25.08.20	done
53	2	3	Admin Dashboard	Admin profile setting	Project Manager	Review requirements	Business Analyst	21.08.20	25.08.20	done
54	2	3	Admin Dashboard	Admin profile setting	Project Manager	Design	UI/UX engineer	21.08.20	25.08.20	done
55	2	3	Admin Dashboard	Admin profile setting	Project Manager	Develop	Developer 1	21.08.20	25.08.20	done
56	2	3	Admin Dashboard	Admin profile setting	Project Manager	Test	QA Engineer	21.08.20	25.08.20	done
57	2	3	Admin Dashboard	Admin details and image	Project Manager	User story 13	Project Manager	25.08.20	26.08.20	done
58	2	3	Admin Dashboard	Admin details and image	Project Manager	Design	UI/UX engineer	25.08.20	26.08.20	done
59	2	3	Admin Dashboard	Admin details and image	Project Manager	Develop	developer 1	25.08.20	26.08.20	done
60	2	3	Admin Dashboard	Admin details and image	Project Manager	Test	QA Engineer	25.08.20	26.08.20	done

84	3	5	Admin Dashboard	Admin orders	Project Manager	User story 19	Project Manager	14.09.20	17.09.20	done
85	3	5	Admin Dashboard	Admin orders	Project Manager	Review requirements	Business Analyst	14.09.20	17.09.20	done
86	3	5	Admin Dashboard	Admin orders	Project Manager	design	UI/UX engineer	14.09.20	17.09.20	done
87	3	5	Admin Dashboard	Admin orders	Project Manager	develop	developer 1	14.09.20	17.09.20	done
88	3	5	Admin Dashboard	Admin orders	Project Manager	Test	QA Engineer	14.09.20	17.09.20	done
89	3	5	Admin Dashboard	Overview	Project Manager	User story 20	Project Manager	17.09.20	22.09.20	done
90	3	5	Admin Dashboard	Overview	Project Manager	Review requirements	Business Analyst	17.09.20	22.09.20	done
91	3	5	Admin Dashboard	Overview	Project Manager	Design	UI/UX engineer	17.09.20	22.09.20	done
92	3	5	Admin Dashboard	Overview	Project Manager	develop	developer 1	17.09.20	22.09.20	done
92	3	5	Admin Dashboard	Overview	Project Manager	Test	QA Engineer	17.09.20	22.09.20	done
94	3	5	Checkout page	product image	Project Manager	User story 21	Project Manager	22.09.20	23.09.20	done
95	3	5	Checkout page	product image	Project Manager	design	UI/UX engineer	22.09.20	23.09.20	done
96	3	5	Checkout page	product image	Project Manager	develop	developer 2	22.09.20	23.09.20	done
97	3	5	Checkout page	product image	Project Manager	Test	QA Engineer	22.09.20	23.09.20	done
98	3	5	Checkout page	order details	Project Manager	User story 22	Project Manager	23.09.20		in work
99	3	5	Checkout page	order details	Project Manager	design	UI/UX engineer	23.09.20		in work
100	3	5	Checkout page	order details	Project Manager	develop	developer 2	23.09.20		in work
101	3	5	Checkout page	order details	Project Manager	Test	QA Engineer	23.09.20		in work
102	3	5	Home page	IKEA LOGO	Project Manager	User story 23	Project Manager	24.09.20	25.09.20	done
103	3	5	Home page	IKEA LOGO	Project Manager	Design	UI/UX engineer	24.09.20	25.09.20	done
194	3	5	Home page	IKEA LOGO	Project Manager	develop	developer 2	24.09.20	25.09.20	done
105	3	5	Home page	IKEA LOGO	Project Manager	Test	QA Engineer	24.09.20	25.09.20	done
106	3	5	Verify	Issues	QA Engineer	Correct issues	developer 1 and 2	24.09.20	25.09.20	done

Network Diagram

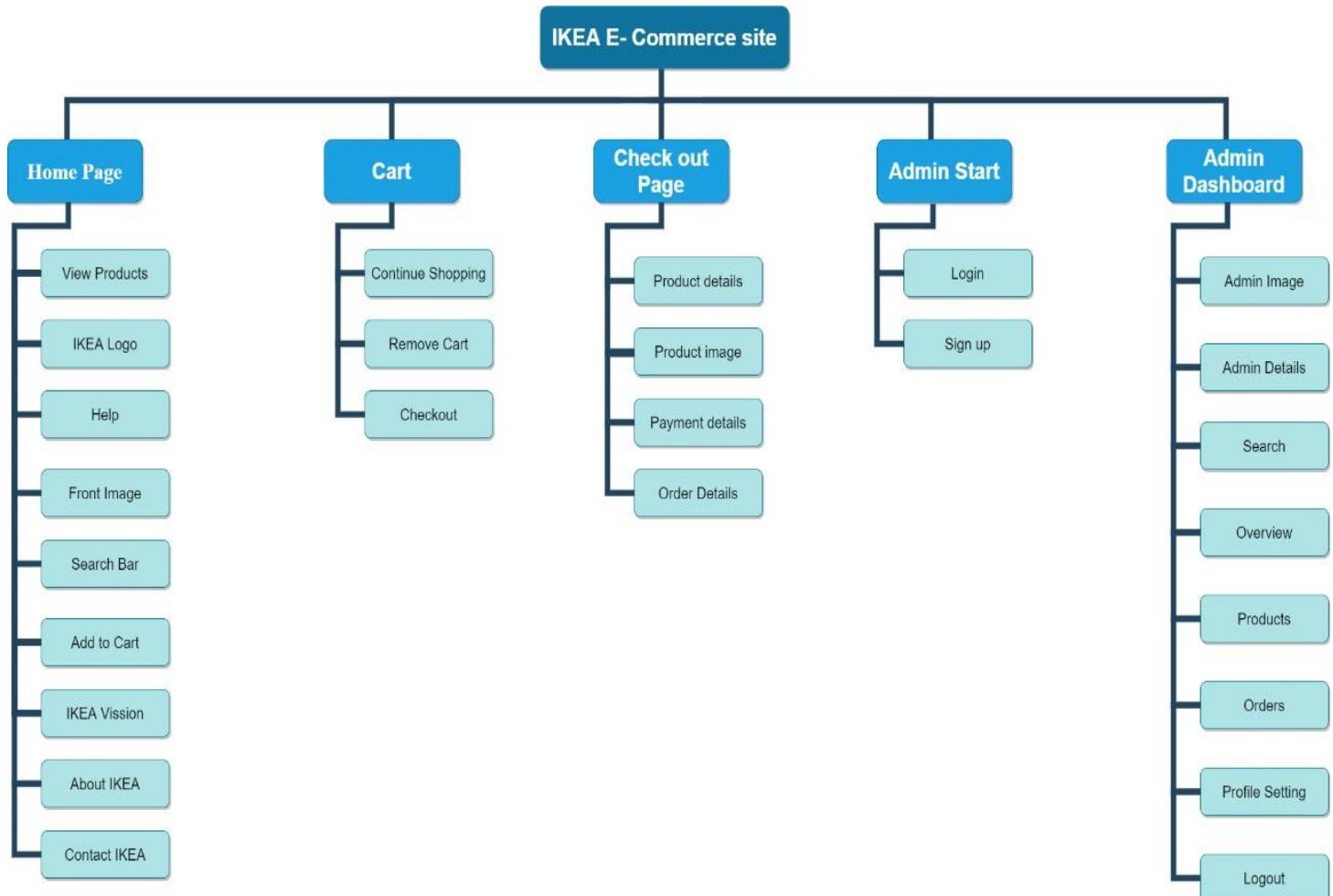


Critical path =

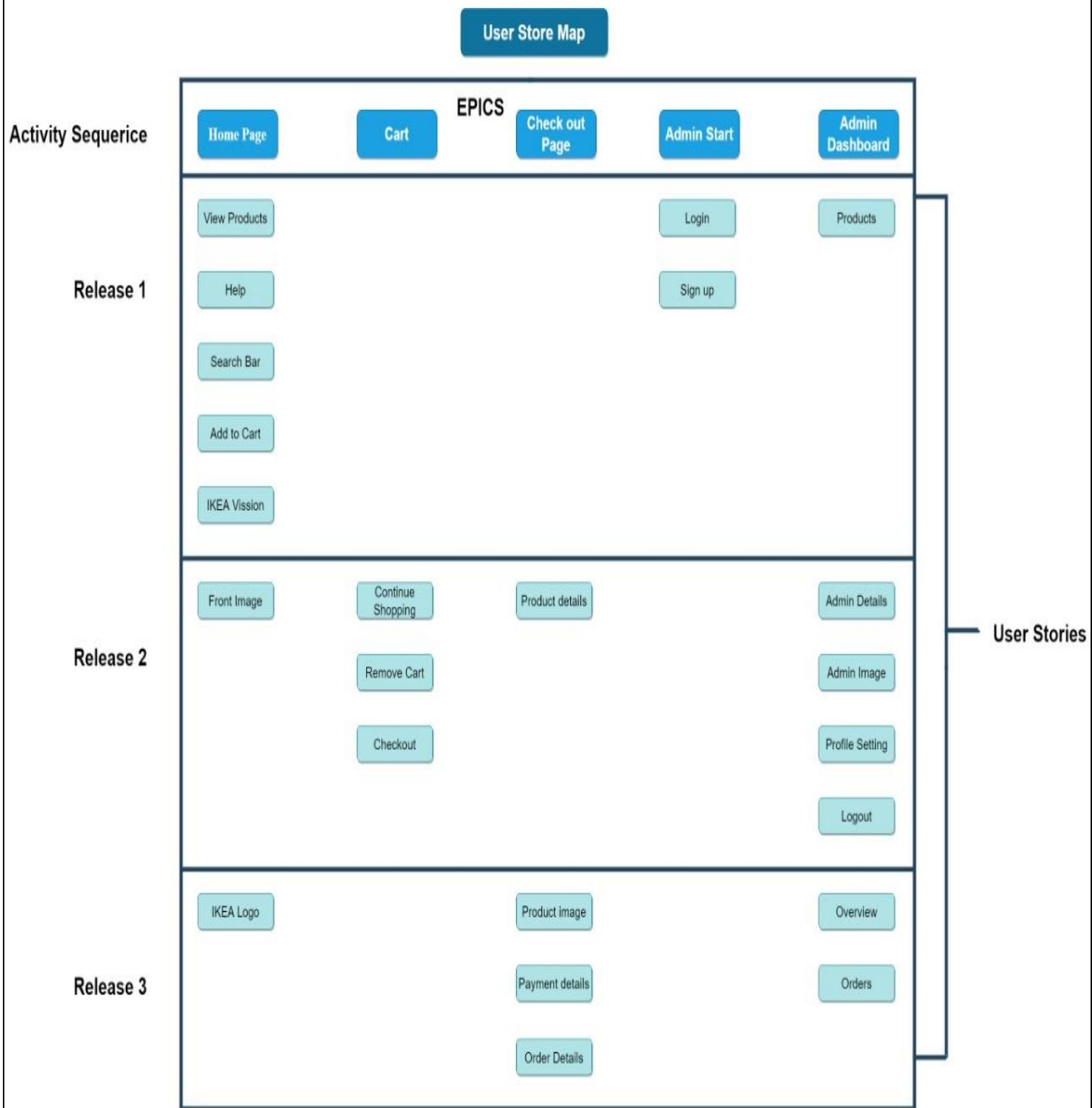
A,B,E,F,G,J,L,O,P,Q,S,T,U and
 A,B,E,F,G,J,L,O,P,Q,S,T,U

Project organization

Work breakdown structure



User story Mapping





Test Plan

For IKEA SL Online Shop E Commerce Site

Prepared By – Thumsi Herath (QA Engineer)

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01) Test Plan ID: 001IKEASL12

02) Introduction

The proposed “IKEA SL” software is a platform that facilitates the users to sell their products to the customers electronically and manage the transaction and other business processes with a delivery of a seamless service and information online. The IKEA online shop e commerce site has an interface for the customer as well as the admin of the shop. A web application will be developed.

03) Test Scope

3.1 Test Items

1. Admin Sign up, Login and Logout functionality
2. Admin Dashboard
3. Admin profile settings
4. Add to cart functionality
5. Payment process
6. Service feedback functionality (Review and rating system)
7. Shopping History
8. Product Display features
9. Wishlist
10. Order management
11. Add products functionality
12. Product search

3.2 Features to be tested

- signup functionality for new users (Admin).
 - Add admin details (Admin name, email address and password)
- Admin Login/logout functionality
- Admin dashboard
- Admin profile settings
- View products and product details
- View Home page, about us, contact us and explore details
- Add to cart functionality
- Add products functionality
- Order management
- Product Display features
- Product search

3.3 Features not to be tested

- Wishlist
- Payment process
- Shopping History
- Service feedback functionality (Review and rating system)

04) References

1. Business Requirement document
2. Prototypes
3. Epics
4. Use cases and User stories
5. High Level Design doc
6. Low Level design docs

05) Testing Approach

5.1 Assumptions

- All the high priority bugs found are fixed before the next software release
- All documents are up-to-date and delivered to the testing team on time.

5.2 Types of Testing

5.2.1 Functional Test

- Implemented functionalities will be compared against given specification and will be compared against the existing system functionalities to identify any missing features.
- Any concerns come on implementation logic and features will be raised to the Project Manager in advance.
- Test cases will be maintained, and test results will be shared with the team.
- Bugs will be reported to **JIRA**.
- Primary testing of the web application is done on the latest versions of google chrome and Firefox browsers.

5.2.2 Performance Test

- Determine the capacity of the application. (peak traffic load, server response time)
- Error rate
- Maximum response time for every request will be tested.
- Average throughput and the peak number of concurrent active users per device and OS.
- Network connectivity

5.2.4 UAT Test

- Each build release will be deployed into a UAT environment and the functional scope will be shared with the client to compare the system to its initial requirements, testing and feedback.

5.2.5 UI/UX Test

- This includes the clarity of navigation, the intuitiveness of the interface, the look and feel of the app layout, error messages, and handling.

5.2.6 Automation Test

- Test automation will be done using **selenium IDE** for identified regression test cases.
- Automation test suite will be run on any release into UAT.

06) Entry Criteria

a) Test Design

- Team formation
- Responsibilities
- Schedule
- Requirements
- Test Case Template
- Training on Domain, on Automation tools

b) Test Execution:

- Readiness of Test Environment
- Readiness of AUT

07) Exit Criteria

- When all High priority high severity test cases are executed. (95%)
- Maximum severity defects are fixed, Final Regression performed successfully.
- Deadlines meet.
- Execution of all test cases. (95%)
- Desired and sufficient coverage of the requirements and functionalities under the test. (97%)
- No high priority or severity or critical bug has been left out.

08) Test Management

8.1 Test Cycles

- Sprint wise test cycles will be performed based on the initial planning done at the beginning of the sprint.
- Regression automation test will be run on the system before closing the sprint.
- If reported bugs are fixed within the sprint, issue verification will be done based on the time availability.
- Sprint implementations will be tested against the use cases and user stories.

8.2 Defect Management

- Defects will be reported into JIRA and will be assigned to the Developers.
- Defects found will be categorized as follows.

Severity	Impact	Symbol
Critical	Errors which result in complete failure, Unable to load software, Errors prevent any further testing as they do not have a workaround.	S1
Major	Collapses or crashes the system and yet there are a few functionalities that remain operable. The workaround in such cases is not impossible but it is very difficult	S2
Minor	Impact on the less important data and minor functions. Cause some malfunction but will keep the software up and running. The workaround is easy and obvious.	S3
Trivial	Relate to the look and feel of the program. These errors do not cause malfunctions by impacting any data or function	S4

8.3. 1 Test Management Tool

- JIRA, JetBrains You Track

8.3.2 Test Execution Process

- Test cases to execute will be decided at the beginning of the sprint. and will be estimated.
- Automation test suite will be executed on the release to cover regression tests to make sure overall system functionalities are functioning as expected.

09) Roles and Responsibilities

Name	Role	Responsibilities	Remarks
Thumsi	Tester	Test Planning, guidance, Monitoring and Test control, Generating Test Scenarios, Test Case Documentation, Test execution, defect reporting, Maintain test cycles	N/A
Gamith	Developer	Unit testing (Admin module)	N/A
Nuwan	Developer	Unit testing (Customer Module)	Home and products pages

10) Schedule

No	Task	Assumed No of days	Actual Duration
1	Requirement Doc defining and Understanding	2	2 days
2	Test plan documentation	1	1 day
3	Test Scenario Preparation	1	2 days
4	Test Case writing	4	3 days
5	Getting Approval	1	1 day
6	Test Environment Preparation	2	1 day
7	Test execution	3	4 days
8	Defect report handling	2	2 days
9	Regression testing	4	3 days

11) Test Environment

- Separate QA environment will be maintained, and the sprint release will be tested on that environment before deploying into the staging environment.
- IKEA Online shop web application will be tested in the latest versions of **google chrome and Mozilla Firefox browsers**.

Hardware	Software
Laptop (Dell inspiration 1500)	Selenium IDE
Tablet	JIRA/ Zephyr
iPhone 6S (IOS)	You Track / Test Lodge

12) Test Deliverables

Deliverable Name	Author	Reviewed By
Test Plan	QA	PM
Test Summary Report	QA	PM/Dev
RTM	QA	PM
Weekly Status Report	QA	PM
Defect Reports	QA	Developer
Test Cases	QA	PM
Test Scenarios	QA	PM

13) Risk Management

Risk	Probability	Impact	Mitigation
Client Requirement Changes	High	High	Discuss and be aware of the unrealistic requirements within the time frame.
Scheduling issues	High	High	Stick to the plan and report everything in early stages of the risk.
Organizational risks	Low	High	Minimizing changes in priorities in the middle in it is not much necessary.
Late submission of information, delays in documents	Medium	High	Schedule meetings and provision of the necessary information in advance
Incorrect or incomplete stated requirements	High	High	Frequent Demonstrations of the new functionality.

14) Approvals

Name: I D Wijesinghe

Date:

Role: Project Manager

Name: Gamith Kisal

Date:

Role: Developer

Name: Nuwan Sudasinghe

Date:

Role: Developer

Test Management

When considering the test management process in this project we used both automation and manual testing processes so that it increases the efficiency of ensuring the quality of this product. Automation of the product was done by using **Selenium IDE** and **JMeter** while the manual tests were managed by using **zephyr in JIRA**.

Manual Testing Process

For the process of Manual test management, we used zephyr. We used zephyr plugin in JIRA. By using it along with JIRA we get the benefit of keeping our manual testcases in our project management tool. It avoids unnecessary resource wastage as well as it increases the efficiency. **Zephyr** is a simple, flexible test management solution for Jira, and it is perfect for Agile teams focusing on Test Design, Execution, and Test Automation. By using zephyr we were able to create test cases, execute them, created test execution reports and export them as excel sheets and much more.



Components included in a test case are as follows:

Admin Start / IKEAONSHOP-66

1 1 1 ... X

Verify the login page and all its controls in different browsers. (Chrome and Firefox)

...

Description
Test Case ID - 004

Test Scenario - Check the Browser compatibility of the Site.

Test Case Description

Check system behavior when the default browser is changed.
(Note : Default - Chrome, change it to firefox)

Prerequisite

Open the Admin Login Page in Google Chrome.
Open the Admin Login page in another window (Firefox browser)

Test Steps

1. Compare the two views with each other and also check the compatibility against the Specifications given.

Test Data : N/A

Expected Result : The User interface and the other functionalities should be the same in both browsers.

Actual Result : No difference in the 2 views in Chrome and Firefox windows.

In Progress

YOUR PINNED FIELDS

Labels	Non_functional_Test	Positive
Sprint	IKEA_ Sprint 1	

Assignee Thumsi Herath

Story point estimate None

Reporter Thumsi Herath

In Progress

YOUR PINNED FIELDS

Labels	Non_functional_Test	Positive
Sprint	IKEA_ Sprint 1	

Assignee Thumsi Herath

Story point estimate None

Reporter Thumsi Herath

Test Executions

Version	Status	Test Cycle	Execut	Actions
Release 1	PASS	Ad hoc	Thumsi	E
Release 2	PASS	Ad hoc	Thumsi	E
Release 1	PASS	Ad hoc	Thumsi	E
Release 3	PASS	Ad hoc	Thumsi	E
Release 3	PASS	Ad hoc	Thumsi	E

In Progress

YOUR PINNED FIELDS

Labels: Non_functional_Test Positive

Sprint: IKEA_Sprint 1

Assignee: Thumsi Herath

Story point estimate: None

Reporter: Thumsi Herath

Example 2

Admin Start / IKEAONSHOP-59

Done

YOUR PINNED FIELDS

Labels: Functional_Test Positive

Sprint: IKEA_Sprint 1

Assignee: Thumsi Herath

Story point estimate: None

Reporter: Thumsi Herath

Done

YOUR PINNED FIELDS

Labels: Functional_Test Positive

Sprint: IKEA_Sprint 1

Assignee: Thumsi Herath

Story point estimate: None

Reporter: Thumsi Herath

Expected Result : The user **should be able to login** and directed to the Admin Dashboard page.

Actual Result : The User log in to the system and directs to the admin dash board page.

Linked issues +

is cloned by

! IKEAONSHOP-60 Verify if a user cannot login with ...   IN PROGRESS

relates to

! IKEAONSHOP-37 Test the Admin Login   IN PROGRESS

Zephyr Actions ...

Execute Add to Test Cycle(s)

Test Executions ...

 Freeze version and status Columns

Version	Status	Test Cycle	Executed	Actions
Release 1	PASS	Ad hoc	Thumsi Herath	 
Release 1	PASS	Ad hoc	Thumsi Herath	 

Done ✓ Done

YOUR PINNED FIELDS

Labels	Functional_Test Positive
Sprint	IKEA_Sprint 1
Assignee	 Thumsi Herath
Story point estimate	None
Reporter	 Thumsi Herath

Done ✓ Done

YOUR PINNED FIELDS

Labels	Functional_Test Positive
Sprint	IKEA_Sprint 1
Assignee	 Thumsi Herath
Story point estimate	None
Reporter	 Thumsi Herath

Test Automation process

We chose Selenium IDE for automating our website. The main reasons to chose selenium is that

- ✓ It is web ready
- ✓ Cross browser Test execution is possible
- ✓ Simply and easy to manage.
- ✓ It is a open source tool.
- ✓ Features like setting breakpoints and pausing on exceptions.

When testing the IKEA Online shop application we chose to automate the Happy paths using this tool. Given below are some of the test suits and test cases we identified in our happy paths.

Test Suites

Selenium IDE

Selenium IDE - IK*

Project: IK*

Test suites -

Search tests...

Add to cart Functionality

Admin Login Functionality*

Admin Overview Functionality

Checkout Functionality

Contact Us Functionality

Explore About Us Functionality

Help option

Order Management Functionality*

Product Management Functionality*

Profile Management Functionality

View Products Functionality

http://localhost:8080/admin

Command	Target	Value
1 open	http://localhost:8080/admin	
2 set window size	650x718	
3 click	css=:nth-child(4) span	
4 click	css=tr:nth-child(1) .btn-primary	
5 click	css=.form-group:nth-child(1) > .form-control	
6 type	css=.form-group:nth-child(1) > .form-control	
7 click	css=.modal-footer > .btn-primary	

Test Edit Order1

Command: open

Target: http://localhost:8080/admin

Value:

Description:

Log Reference

Running 'Add Order Functionality'

1. open on http://localhost:8080/admin OK 20:41:23

2. setWindowSize on 1382x744 OK 20:41:24

20:41:25

Selenium IDE - IK*

"Selenium IDE" started debugging this browser Cancel

Project: IK*

Test suites -

Search tests...

Add to cart Functionality

Admin Login Functionality*

Admin Overview Functionality

Checkout Functionality

Contact Us Functionality

Explore About Us Functionality

Help option

Order Management Functionality*

Add Order - Delete Order details

Add Order - Edit Order details

Add Order Functionality

Log Reference

9. click on css=.form-group:nth-child(3) > .form-control OK 18:51:29

10. type on css=.form-group:nth-child(3) > .form-control with value 1000 OK 18:51:30

11. click on css=.form-group:nth-child(4) > .form-control OK 18:51:30

Jmeter Test suits – Non Functional testing

Home page Listner.jmx (C:\Users\thumsi\Desktop\Home page Listner.jmx) - Apache JMeter (5.3)

File Edit Search Run Options Tools Help

00:00:07 14 0/105

IKEA SL online Shop - Load Test

Customers

- Home Page
- About Us Page
- About Us - Load Test
- Contact Us Page
- Contact Us - Load test
- Help
- Profile Settings
- Profile Settings - Load test
- Overview Page
- Overview - Load test
- Orders
- Order Page- Load test
- View Products
- ProductsPage- Load test

Admins

- Admin Login
- Admin Login Table - Load Test

View Results in Table

Name: Home page Listner

Comments:

Write results to file / Read from file

Filename:

Browse... Log/Display Only: Errors Successes Configure

Sample #	Start Time	Thread Name	Label	Sample Time...	Status	Bytes	Sent Bytes	Latency	Connect Ti...
100	13:26:37.073	Customers 1-36	Home Page	1197	✓	145521	234	189	79
101	13:26:37.113	Customers 1-38	Home Page	1162	✓	145525	234	210	111
102	13:26:37.154	Customers 1-40	Home Page	1183	✓	145521	234	209	104
103	13:26:37.134	Customers 1-39	Home Page	1206	✓	145525	234	217	112
104	13:26:36.613	Customers 1-13	Home Page	1763	✓	145665	234	151	72
105	13:26:37.215	Customer 1-43	Home Page	1169	✓	145525	234	207	93
106	13:26:37.173	Customers 1-41	Home Page	1270	✓	145525	234	214	106
107	13:26:37.194	Customers 1-42	Home Page	1270	✓	145521	234	223	106
108	13:26:37.255	Customers 1-45	Home Page	1214	✓	145525	234	235	96
109	13:26:37.235	Customers 1-44	Home Page	1242	✓	145525	234	232	105
110	13:26:37.274	Customers 1-46	Home Page	1264	✓	145525	234	213	90
111	13:26:37.334	Customers 1-49	Home Page	1280	✓	145521	234	276	115
112	13:26:37.354	Customers 1-50	Home Page	1272	✓	145525	234	268	109
113	13:26:37.294	Customers 1-47	Home Page	1348	✓	145525	234	236	106
114	13:26:37.314	Customers 1-48	Home Page	1329	✓	145525	234	285	120
115	13:26:37.473	Customers 1-56	Home Page	1292	✓	145525	234	338	158
116	13:26:37.534	Customers 1-59	Home Page	1243	✓	145525	234	300	155
117	13:26:37.434	Customers 1-54	Home Page	1346	✓	145525	234	330	146

Home page Listner.jmx (C:\Users\thumsi\Desktop\Home page Listner.jmx) - Apache JMeter (5.3)

File Edit Search Run Options Tools Help

00:00:07 14 0/105

IKEA SL online Shop - Load Test

Customers

- Home Page
- About Us Page
- About Us - Load Test
- Contact Us Page
- Contact Us - Load test
- Help
- Profile Settings
- Profile Settings - Load test
- Overview Page
- Overview - Load test
- Orders
- Order Page- Load test
- View Products
- ProductsPage- Load test

Admins

- Admin Login
- Admin Login Table - Load Test

View Results in Table

Name: About Us - Load Test

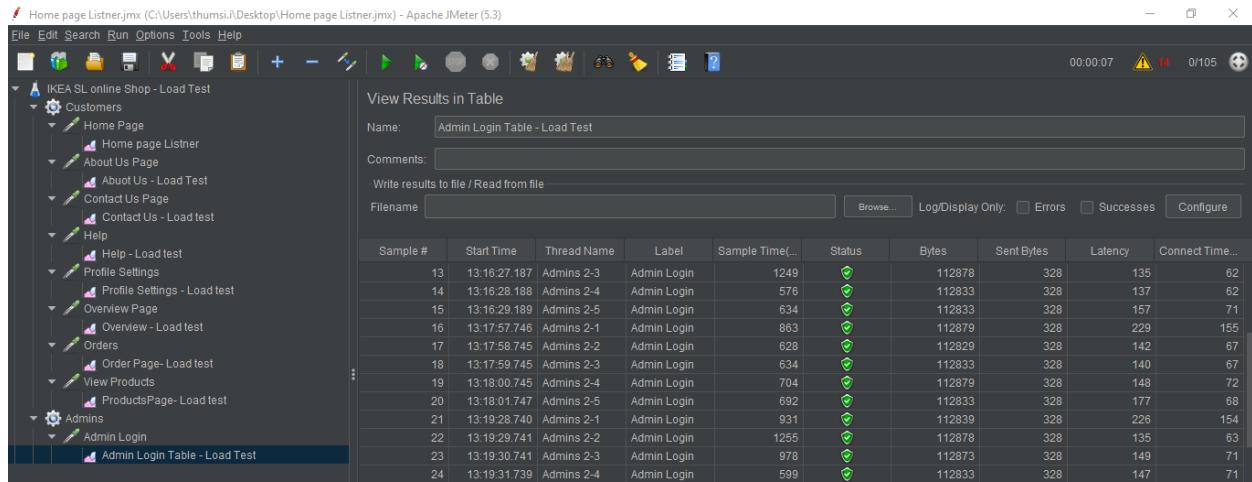
Comments:

Write results to file / Read from file

Filename:

Browse... Log/Display Only: Errors Successes Configure

Sample #	Start Time	Thread Name	Label	Sample Time...	Status	Bytes	Sent Bytes	Latency	Connect Ti...
24	13:25:16.683	Customers 1-4	About Us Page	611	✓	87786	363	69	0
25	13:25:29.918	Customers 1-1	About Us Page	610	✓	87790	363	71	0
26	13:25:30.427	Customers 1-2	About Us Page	817	✓	87790	363	109	0
27	13:25:30.887	Customers 1-3	About Us Page	600	✓	87790	363	74	0
28	13:25:31.413	Customers 1-4	About Us Page	611	✓	87786	363	76	0
29	13:25:37.056	Customers 1-1	About Us Page	770	✓	87790	363	112	0
30	13:25:37.493	Customers 1-2	About Us Page	611	✓	87790	363	78	0
31	13:25:37.935	Customers 1-3	About Us Page	721	✓	87790	363	113	0
32	13:25:38.500	Customers 1-4	About Us Page	642	✓	87790	363	92	0
33	13:26:37.224	Customers 1-3	About Us Page	1269	✓	87800	363	98	0
34	13:26:37.299	Customers 1-10	About Us Page	1204	✓	87786	363	102	0
35	13:26:37.251	Customers 1-5	About Us Page	1258	✓	87790	363	95	0
36	13:26:37.449	Customers 1-17	About Us Page	1296	✓	87790	363	163	0
37	13:26:37.216	Customers 1-7	About Us Page	1754	✓	87790	363	95	0
38	13:26:37.196	Customers 1-6	About Us Page	1831	✓	87769	363	113	0
39	13:26:37.385	Customers 1-14	About Us Page	1652	✓	87786	363	136	0
40	13:26:37.401	Customers 1-16	About Us Page	1772	✓	87814	363	146	0
41	13:26:37.683	Customers 1-21	About Us Page	1617	✓	87786	363	151	0



Bug Tracking

Bugs were identified and prioritized as **Low, medium and High**. And the severity was categorized into 5 main levels as **Critical, major minor, trivial and stopper**. Bugs were reported to JIRA and assigned to the relevant team member to look into that. Given below are **few of the bugs reported in JIRA**.

1)

Labels
Functional_Test Negative

Sprint
IKEA_Sprint 2

Severity
Stopper

showing the related product details

Steps To Reproduce:

1. Logon into the application
2. Navigate to the Home page.
3. Click on the search bar.
4. Type "Food container"
5. Press enter.

Expected: The user **should be able to view the product detail**. If there isn't any product Error message should appear "**This item is not available**"

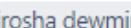
Severity	Stopper
Assignee	 Nuwan Sudusinghe
Story point estimate	None
Fix versions	Release 2
Reporter	 Thumsi Herath

Activity

Show: [Comments](#) [History](#)



Thumsi Herath 7 days ago

 irosha dewmini  Sandahansi Mallikaarachchi

 Nuwan Sudusinghe I suggest to include a **search button or an icon** for a better user experience.

[Edit](#) · [Delete](#) · 

Assignee	 Nuwan Sudusinghe
Story point estimate	None
Fix versions	Release 2
Reporter	 Thumsi Herath

Note : In some instances, **suggestions** were included in the bug report in order to improve the quality of the product.

2)

Admin dashboard / IKEAONSHOP-68

Heading name is Incorrect - Add Product Window



Description

Bug ID: 005

Area Path: Admin Dashboard > Products > Add product

Priority: Medium

Description:

The Heading of the add product page is incorrect. It displays **"Edit product"**

And it should be **"Add product"**

Steps To Reproduce:

Steps To Reproduce:

1. Navigate to the admin dashboard
2. Click on products tab
3. Then click on add product button and open the add product window.

Expected Result:

The heading should be **"Add product"**, not "Edit product"

1 In Progress

In Progress

YOUR PINNED FIELDS

Labels

Negative UI/UX_Test

Sprint

IKEA_Sprint 1

Severity

Minor

Assignee

 Gamith Kisal

Assignee

 Gamith Kisal

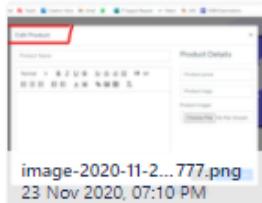
Story point estimate

None

Fix versions

Release 3

Attachments (1)



...

+

Assignee

 Gamith Kisal

Fix versions

Release 3

Reporter

 Thumsi Herath

Activity

Show: **Comments** History

Note : In some instances, **Attachments** such as screenshots were included to increase the clarity of the bug.

3) Bugs with Error Message issues.

 Admin Start /  IKEAONSHOP-63

Error message displayed is incorrect - Admin login with empty fields



Description • Unsaved changes

Bug ID: 001

Area Path: Get Start > Login

Priority: Medium

Description:

 2   ... 

New 

YOUR PINNED FIELDS

Labels

None

Sprint

IKEA_Sprint 1

Severity

Trivial

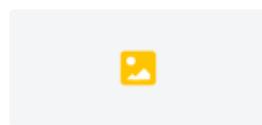
Assignee

When a user tries to log in to the system without entering credentials an error message should be displayed. the error message should be "**Please enter your credentials**".

Steps To Reproduce:

1. Logon into the application
2. Navigate to the Get start > Login
3. Keep the email and passwords fields empty.
4. Clicked on 'Login' button
5. Seen an error page "**The email address is badly formatted.**"

Expected: The user **should not be able to login**. Error message should appear "**Please enter your credentials**"



Severity

Trivial

Assignee



Nuwan Sudusinghe

Fix versions

Release 2

Reporter

Story point estimate

None

Fix versions

Release 2

Reporter



Thumsi Herath

Orders / IKEAONSHOP-79

Incorrect Details in add product window



Description

Bug ID: 025

Area Path: Get Start > Login> Admin dashboard>Orders

Priority: high

Description:

When a user tries to add an order by clicking add order button, the user should be able to add a new order and

1

New

YOUR PINNED FIELDS

Labels

Functional_Test UI/UX_Test

Sprint

IKEA_Sprint 2

Severity

Trivial

Assignee

Orders / IKEAONSHOP-79

button, the user should be able to add a new order and the order details. But the window displayed is "Edit product"

Steps To Reproduce:

1. Navigate to the Admin dashboard
2. Click orders tab.
3. Click on 'Add Order' button
4. Seeing "Edit product window."

Expected: The user **should be able to view add order window**. not "edit product"

Activity



Add a comment...

Pro tip: press M to comment

1



Severity

Trivial

Assignee



Gamith Kisal

Fix versions

Release 3

Reporter



Thumsi Herath

Created 15 minutes ago

Updated 12 minutes ago

Go to Settings to activate Windows.

Home page / IKEAONSHOP-74

Search Bar in the home page is malfunctioning



Description

Bug ID: 010

Area Path: Home page > Search Bar

Priority: High

Description:

When a user tries to search a product by entering a word and pressing enter it reloads the page instead of showing the related product details

1



YOUR PINNED FIELDS

Labels

Functional_Test Negative

Sprint

IKEA_Sprint 2

Severity

Stopper

Assignee



Steps To Reproduce:

1. Logon into the application
2. Navigate to the Home page.
3. Click on the search bar.
4. Type "Food container"
5. Press enter.

Expected: The user **should be able to view the product detail**. If there isn't any product Error message should appear "**This item is not available**"

Activity

Show: **Comments** History

1

Severity: Stopper

Assignee: Nuwan Sudusinghe

Story point estimate: None

Fix versions: Release 2

Reporter: Thumsi Herath

IKEA_Sprint 1 20 Jul – 31 Jul		0 0 0	Complete sprint	...
Complete the Admin login, Signup and viewing products. 6 of 13 issues visible				
<input checked="" type="checkbox"/>	IKEAONSHOP-72 Profile settings UI Doesn't match with the UI specification - Unnecessary Button	ADMIN DASHBOARD	DONE	
<input checked="" type="checkbox"/>	IKEAONSHOP-73 Profile settings UI doesn't match with UI specification - Unnecessary field added	ADMIN DASHBOARD	DONE	
<input checked="" type="checkbox"/>	IKEAONSHOP-46 When a new user signed up as an admin the name displayed on his dashboard is incorrect.	ADMIN DASHBOARD	DONE	
<input checked="" type="checkbox"/>	IKEAONSHOP-68 Heading name is Incorrect - Add Product Window	ADMIN DASHBOARD	DONE	
<input checked="" type="checkbox"/>	IKEAONSHOP-69 Error message displayed is incorrect - Admin login with empty fields	ADMIN START	DONE	
<input checked="" type="checkbox"/>	IKEAONSHOP-64 Error message displayed is incorrect - Admin login with valid username and Empty password field	ADMIN START	DONE	
<input checked="" type="checkbox"/>	IKEAONSHOP-74 Search Bar in the home page is malfunctioning	HOME PAGE	TO DO	
<input checked="" type="checkbox"/>	IKEAONSHOP-86 Help Cards are not uniform in size	HOME PAGE	NEW	
<input checked="" type="checkbox"/>	IKEAONSHOP-87 Search Bar in the Help page is not responding	HOME PAGE	NEW	
<input checked="" type="checkbox"/>	IKEAONSHOP-88 IKEA Logo doesn't match with the UI Specifications	HOME PAGE	NEW	
<input checked="" type="checkbox"/>	IKEAONSHOP-89 When the IKEA Logo is clicked it is not refreshing the page	HOME PAGE	NEW	
<input checked="" type="checkbox"/>	IKEAONSHOP-75 Search Bar on the admin dashboard is not functioning	ADMIN DASHBOARD	IN PROGRESS	
<input checked="" type="checkbox"/>	IKEAONSHOP-76 Admin details displayed on the dashboard is incorrect.	ADMIN DASHBOARD	IN PROGRESS	
<input checked="" type="checkbox"/>	IKEAONSHOP-84 When the Reset password button is clicked with empty fields it displays an incorrect pop up message appears.	ADMIN DASHBOARD	NEW	
<input checked="" type="checkbox"/>	IKEAONSHOP-90 Send Button on Contact Us page is not functioning as expected	HOME PAGE	NEW	
<input checked="" type="checkbox"/>	IKEAONSHOP-85 Pay with credit card Button is Malfunctioning	CHECK OUT PAGE	IN PROGRESS	
<input checked="" type="checkbox"/>	IKEAONSHOP-91 Products button on the home page does not work as expected	HOME PAGE	NEW	
<input checked="" type="checkbox"/>	IKEAONSHOP-93 "Apply Changes" button and the "Close" button on Edit product details window are performing the same task	ORDERS	NEW	

<input checked="" type="checkbox"/> IKEAONSHOP-79 Incorrect Details in add Order window	ORDERS	NEW	
<input checked="" type="checkbox"/> IKEAONSHOP-81 Incorrect Details in the edit order window	ORDERS	NEW	
<input checked="" type="checkbox"/> IKEAONSHOP-82 Invalid content in the overview Page	ADMIN DASHBOARD - OVERVIEW	NEW	
<input checked="" type="checkbox"/> IKEAONSHOP-92 Invalid description on order details page	ORDERS	NEW	

Fixing bugs mentioned by the QA

Since our QA engineer is really professional one we were able to fix lots of bugs before the release. She updated JIRA sprint board every time bug has found.

Few examples:

Admin dashboard / [IKEAONSHOP-72](#)

Profile settings UI Doesn't match with the UI specification - Unnecessary Button

[Attach](#) [Add a child issue](#) [Link issue](#)

Description
Bug ID: 007

Area Path: Admin Dashboard>profiles> profile settings

Priority: high

Description:
"Save changes" button is not necessary in this interface and it has no function in here. Save changes button should be removed.

Steps To Reproduce:

1. Navigate to the admin dashboard.

[Add a comment...](#)

Pro tip: press **M** to comment

Done ✓ Done

Severity: Major

Assignee: Gamith Kisal

Labels: [Functional_Test](#) [UI/UX_Test](#)

Sprint: [IKEA_Sprint 1](#)

Story point estimate: None

Fix versions: [Release 3](#)

Reporter: Thumsi Herath

Created November 24, 2020, 9:02 AM
Updated 13 hours ago

Admin dashboard / IKEAONSHOP-73

Profile settings UI doesn't match with UI specification - Unnecessary field added

Attach Add a child issue Link issue

Description

Bug ID: 008

Area Path: Admin Dashboard>profiles> profile settings

Priority: high

Description:
"Choose file" field is not necessary in this interface and it has no function in here. This field should be removed.

Steps To Reproduce:

1. Navigate to the admin dashboard.

Add a comment...

Pro tip: press **M** to comment

Done ✓ Done

Severity	Major
Assignee	 Gamith Kisal
Labels	Functional_Test UI/UX_Test
Sprint	IKEA_Sprint 1
Story point estimate	None
Fix versions	Release 3
Reporter	 Thumsi Herath

Created November 24, 2020, 9:20 AM
Updated 13 hours ago

Admin dashboard / IKEAONSHOP-68

Heading name is Incorrect - Add Product Window

Attach Add a child issue Link issue

Description
Bug ID: 005

Area Path: Admin Dashboard > Products > Add product

Priority: Medium

Description:
The Heading of the add product page is incorrect. It displays **"Edit product"** And it should be **"Add product"**

Steps To Reproduce:

Navigation to the admin dashboard

Add a comment...

Pro tip: press **M** to comment

Done ✓ Done

Severity Minor

Assignee Gamith Kisal

Labels Negative UI/UX_Test

Sprint IKEA_Sprint 1

Story point estimate None

Fix versions Release 3

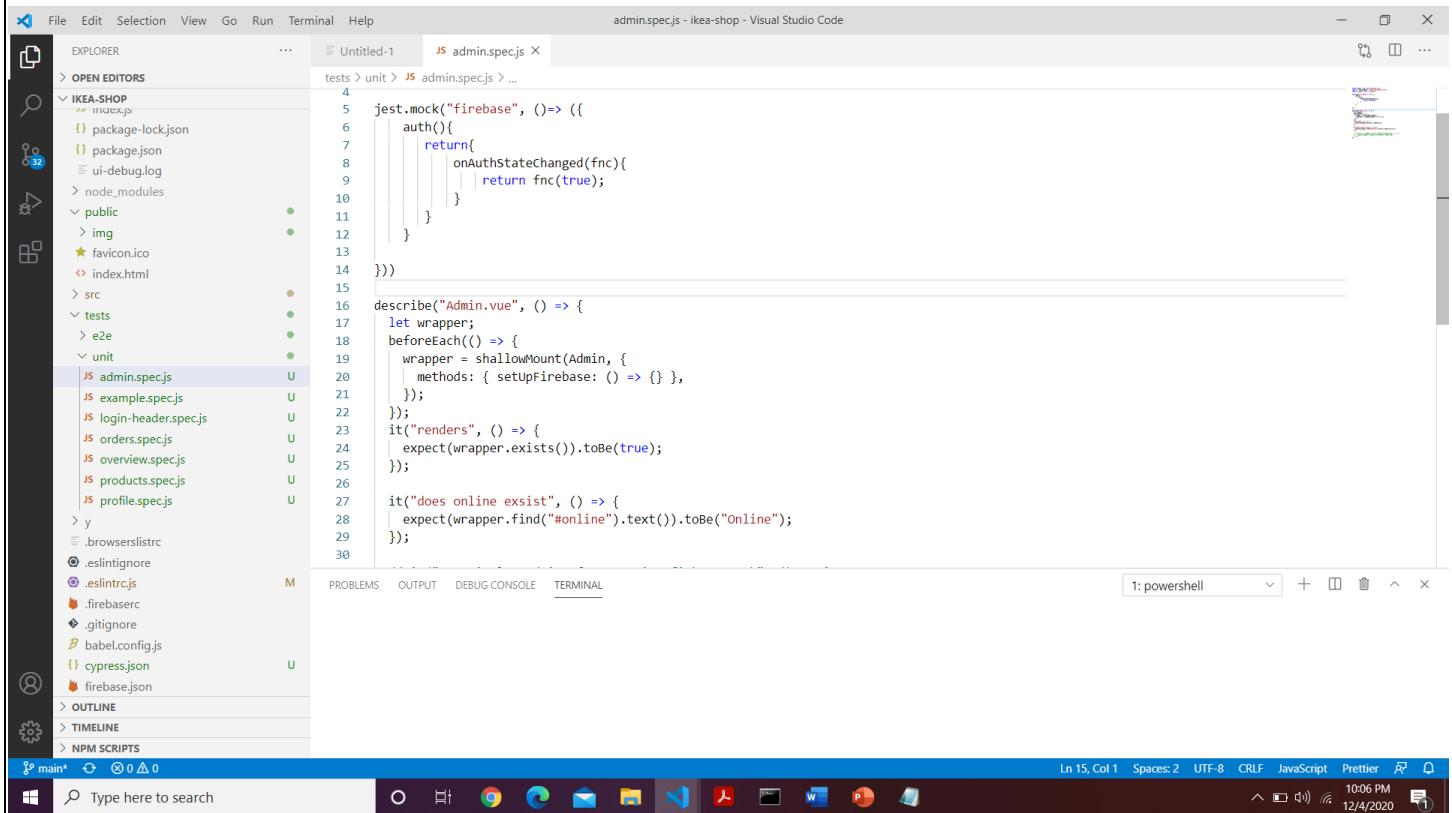
Reporter Thumsi Herath

Created November 23, 2020, 7:10 PM
Updated 13 hours ago

Writing unit test

To write unit test I used Jest. Jest is a complete JavaScript testing framework that is very popular among developers for unit testing.

Ex;



The screenshot shows a Visual Studio Code interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Editor:** The main editor window displays a Jest test file named `admin.spec.js`. The code is as follows:

```
4 jest.mock("firebase", ()=> ({
5   auth(){
6     return{
7       onAuthStateChanged(fnc){
8         return fnc(true);
9       }
10    }
11  }
12 }
13 ))
14 ))
15
16 describe("Admin.vue", () => {
17   let wrapper;
18   beforeEach(() => {
19     wrapper = shallowMount(Admin, {
20       methods: { setUpFirebase: () => {} },
21     });
22   });
23   it("renders", () => {
24     expect(wrapper.exists()).toBe(true);
25   });
26   it("does online exist", () => {
27     expect(wrapper.find("#online").text()).toBe("Online");
28   });
29 });
30 );
```

- Explorer:** Shows the project structure for "IKEA-SHOP" with files like `index.js`, `package-lock.json`, `package.json`, `ui-debug.log`, `node_modules`, `public`, `img`, `favicon.ico`, `index.html`, `src`, `tests`, `e2e`, and `unit`. The `admin.spec.js` file is selected.
- Bottom Bar:** Includes tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, and TERMINAL. The TERMINAL tab is active. The status bar shows "Ln 15, Col 1" and "1: powershell".

File Edit Selection View Go Run Terminal Help

admin.spec.js - IKEA-SHOP - Visual Studio Code

OPEN EDITORS

tests > unit > admin.spec.js > describe("Admin.vue") callback

```

17  let wrapper;
18  beforeEach(() => {
19    wrapper = shallowMount(Admin, {
20      methods: { setUpFirebase: () => {} },
21    });
22  });
23  it("renders", () => {
24    expect(wrapper.exists()).toBe(true);
25  });
26
27  it("does online exist", () => {
28    expect(wrapper.find("#online").text()).toBe("Online");
29  });
30
31 // it("user is logged in after setting firebase mock", () => {
32 //   expect(wrapper.vm.$data.currentUser).toBe(true);
33 // });
34
35

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Test Suites: 7 passed, 7 total
 Tests: 8 passed, 8 total
 Snapshots: 0 total
 Time: 8.47s
 Ran all test suites related to changed files.

Watch Usage

- > Press a to run all tests.
- > Press f to run only failed tests.
- > Press q to quit watch mode.
- > Press p to filter by a filename regex pattern.
- > Press t to filter by a test name regex pattern.
- > Press Enter to trigger a test run.

Ln 30, Col 1 Spaces: 2 UTF-8 CRLF JavaScript Prettier

1: node

10:08 PM 12/4/2020

Bug Tracking – Additional



As we used JIRA for the process of bug reporting we didn't use a separate tool such as Bugzilla. But we researched about the existing tools and upcoming trendy tools in this field and found a bug tracking tool from IntelliJ – You Track. You Track lets you track and manage issues from the moment they're reported to the moment they're fixed. Easily create issues, add tags, watchers, modify custom fields, set the priority,

and edit added attachments with a built-in image editor. Configure your personal notifications. And we can integrate You Track with JIRA so that this can be used parallel with it. Given below are some of the bugs reported in You Track.

The screenshot shows the YouTrack interface with a search request for 'IKEA SL Online Shop...'. The results list 8 issues, all of which are bugs. The issues are:

- IKEASL-8 Get Start Button displayed on wrong Page** (Critical, Bug, Submitted, Nuwan, No Subsystem, Unscheduled, Unknown)
- IKEASL-7 Explore Button isn't working** (Critical, Bug, Submitted, Nuwan, No Subsystem, Unscheduled, Unknown)
- IKEASL-6 Incorrect Tab Name in Help Tab** (Major, Bug, Submitted, Nuwan, No Subsystem, Unscheduled, Unknown)
- IKEASL-5 Search Icon on the search bar is missing** (Normal, Bug, Submitted, Unassigned, No Subsystem, Unscheduled, Unknown)
- IKEASL-4 Search Bar isn't responding** (Show-stopper, Bug, Submitted, Nuwan, No Subsystem, Unscheduled, Unknown)
- IKEASL-3 Search bar length is not matching with the UI Design** (Major, Bug, Submitted, Unassigned, No Subsystem, Unscheduled, Unknown)
- IKEASL-2 The web site logo is not clear** (Major, Bug, Submitted, Nuwan, No Subsystem, Unscheduled, Unknown)

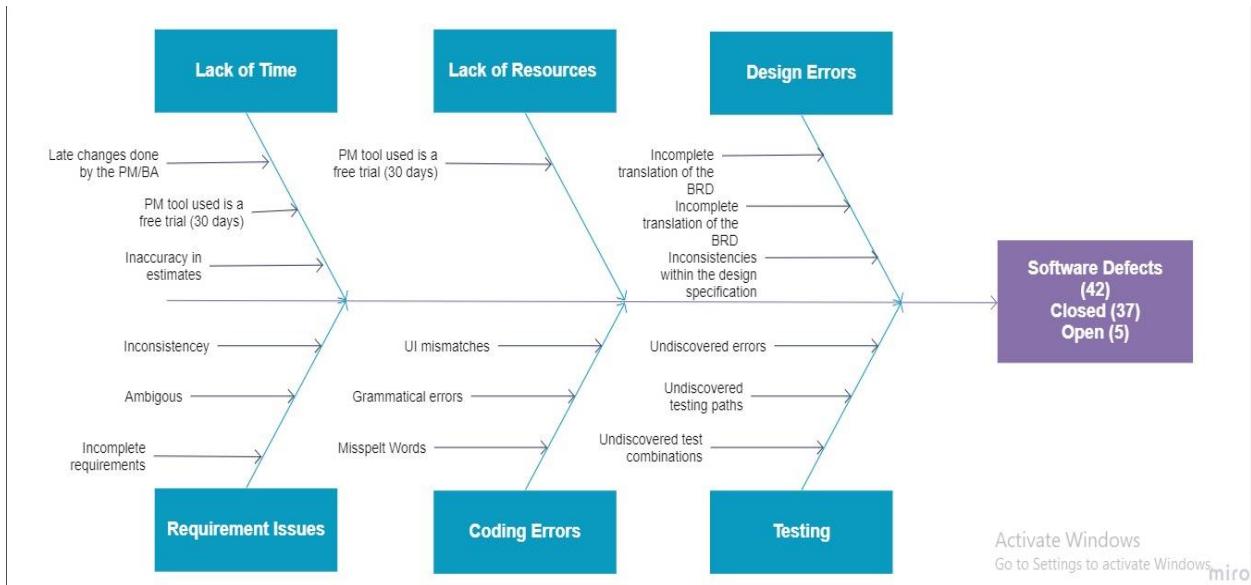
You track can be considered as a tool which is more user friendly. And also this is a free software. This can be used not only for bug tracking but also a project management tool. We can filter items by using tags, assignee, type of the task and so many other criteria. Simple query syntax written similar to natural language can be used to search for the issues we need.

Root Cause Analysis

Fish bone Diagram

We considered all the defects of our software together and did the root cause analysis.

- It is easy to understand and analyze because it's a visual representation
- It helps to identify the root cause of the problem.
- It helps to locate bottlenecks in the process.
- It helps to find ways to improve the process.
- It involves an in-depth discussion of the problem, which educates the team.
- It prioritizes further analysis and helps you take corrective action.



Epics

Jira Software Your work Projects **Backlog** Filters Dashboards People Apps Create Search

Projects / IKEA_SL Online Shopping

Epics 6 Versions Label Type Clear filters Test View - By Issues Test View - By Sprint

Epic Issues without epic

Issues without epic

- Home page
- Cart
- Check Out page
- Admin Start
- Admin dashboard

Epic panel

Issues

Issue	Summary	Assignee	Status	Labels
IKEAONSHOP-59	Verify if a user will be able to login with a valid Email and valid password.	ADMIN START	IN PROGRESS	KR
IKEAONSHOP-48	When a new user signed up as an admin the name displayed on his dashboard is inco...	ADMIN DASHBOARD	IN PROGRESS	KR
IKEAONSHOP-66	Verify the login page and all its controls in different browsers. (Chrome and Firefox)	ADMIN START	IN PROGRESS	KR
IKEAONSHOP-60	Verify if a user cannot login with a valid email and an invalid password.	ADMIN START	DONE	KR

Activate Windows
Go to Settings > Quickstart

Versions

Jira Software Your work Projects **Backlog** Filters Dashboards People Apps Create Search

Projects / IKEA_SL Online Shopping

Versions 3

Versions

- Release 1
- Release 2
- Release 3

Versions panel

Issues

Issue	Summary	Assignee	Status	Labels
IKEAONSHOP-17	Admin login	ADMIN START	IN PROGRESS	KR
IKEAONSHOP-21	Admin Product area	ADMIN DASHBOARD	IN PROGRESS	KR
IKEAONSHOP-22	Admin signup	ADMIN START	TO DO	KR
IKEAONSHOP-25	Admin Product area	ADMIN DASHBOARD	TO DO	KR
IKEAONSHOP-48	When a new user signed up as an admin the name displayed on his dashboard is inco...	ADMIN DASHBOARD	IN PROGRESS	KR
IKEAONSHOP-63	Error message displayed is incorrect - Admin login with empty fields	ADMIN START	NEW	KR
IKEAONSHOP-64	Error message displayed is incorrect - Admin login with valid username and Empty password field	ADMIN START	NEW	KR

Sprint Plan

Sprint 1

Projects / IKEA_SL Online Shopping

IKEA_Sprint 1

Complete the Admin login, Signup and viewing products.

0 days remaining

[Complete sprint](#)

[Test View - By Issues](#)

[Test View - By Sprint](#)

...



Epic ▾

Label ▾

Type ▾

GROUP BY

Epic ▾

NEW 6

TO DO 2

IN PROGRESS 6

DONE 1 ✓



IKEAONSHOP-1 Home page 1 issue [TO DO](#)

IKEAONSHOP-16 Admin Start 9 issues [TO DO](#)

Error message displayed is incorrect - Admin login with empty fields

[IKEAONSHOP-63](#)

Error message displayed is incorrect - Admin login with valid username and Empty password field

[IKEAONSHOP-64](#)

Admin signup

[IKEAONSHOP-22](#)

20 ↑ KR

Admin login

[IKEAONSHOP-17](#)

20 ↑ KR

Verify the login page and all its controls in different browsers. (Chrome and Firefox)

Positive Non_functional_Test

[IKEAONSHOP-66](#)

Verify if a user will be able to login with a valid Email and valid password.

Positive Functional_Test

[IKEAONSHOP-59](#)



Activate Windows

Go to Settings to activate Windows.

Projects / IKEA_SL Online Shopping

Backlog



Epic ▾

Versions ▾

Label ▾

Type ▾

[Test View - By Issues](#)

[Test View - By Sprint](#)

15 issues

[IKEAONSHOP-17](#) Admin login [ADMIN START](#)

20 ↑ IN PROGRESS KR

[IKEAONSHOP-2](#) View product [HOME PAGE](#)

20 ↑ IN PROGRESS KR

[IKEAONSHOP-22](#) Admin signup [ADMIN START](#)

20 ↑ TO DO KR

[IKEAONSHOP-25](#) Admin Product area [ADMIN DASHBOARD](#)

40 ↑ TO DO KR

[IKEAONSHOP-59](#) Verify if a user will be able to login with a valid Email and valid password. [ADMIN START](#)

DONE KR

[IKEAONSHOP-48](#) When a new user signed up as an admin the name displayed on his dashboard is incorrect. [ADMIN DASHBOARD](#)

IN PROGRESS KR

[IKEAONSHOP-66](#) Verify the login page and all its controls in different browsers. (Chrome and Firefox) [ADMIN START](#)

IN PROGRESS KR

[IKEAONSHOP-60](#) Verify if a user cannot login with a valid email and an invalid password. [ADMIN START](#)

IN PROGRESS KR

[IKEAONSHOP-61](#) Verify the Login functionality with empty credential fields [ADMIN START](#)

IN PROGRESS KR

[IKEAONSHOP-63](#) Error message displayed is incorrect - Admin login with empty fields [ADMIN START](#)

NEW KR

[IKEAONSHOP-64](#) Error message displayed is incorrect - Admin login with valid username and Empty password field [ADMIN START](#)

Activate Windows

Go to Settings to activate Windows.

NEW KR

! IKEAONSHOP-61 Verify the Login functionality with empty credential fields	ADMIN START	IN PROGRESS	
! IKEAONSHOP-63 Error message displayed is incorrect - Admin login with empty fields	ADMIN START	NEW	
! IKEAONSHOP-64 Error message displayed is incorrect - Admin login with valid username and Empty password field	ADMIN START	NEW	
! IKEAONSHOP-65 Verify if the font, text color, and color coding of the Login page is as per the standard.	ADMIN START	NEW	
! IKEAONSHOP-68 Heading name is Incorrect - Add Product Window	ADMIN DASHBOARD	NEW	
! IKEAONSHOP-72 Profile settings UI Doesn't match with the UI specification - Unnecessary Button	ADMIN DASHBOARD	NEW	
! IKEAONSHOP-73 Profile settings UI doesn't match with UI specification - Unnecessary field added	ADMIN DASHBOARD	NEW	

+ Create issue

Sprint 2

Projects / IKEA_SL Online Shopping	Backlog																																																																	
<input type="text"/> Epic <input type="button" value="▼"/> Versions <input type="button" value="▼"/> Label <input type="button" value="▼"/> Type <input type="button" value="▼"/>	<input type="button" value="Test View - By Issues"/> <input type="button" value="Test View - By Sprint"/>																																																																	
<table border="1"> <tr> <td>! IKEAONSHOP-3 Search product</td> <td>HOME PAGE</td> <td>30</td> <td>↑</td> <td>TO DO</td> <td></td> </tr> <tr> <td>! IKEAONSHOP-4 Add to Cart</td> <td>HOME PAGE</td> <td>30</td> <td>↑</td> <td>IN PROGRESS</td> <td></td> </tr> <tr> <td>! IKEAONSHOP-51 IKEA vission</td> <td>HOME PAGE</td> <td>10</td> <td>↑</td> <td>TO DO</td> <td></td> </tr> <tr> <td>! IKEAONSHOP-5 Help</td> <td>HOME PAGE</td> <td>10</td> <td>↓</td> <td>IN PROGRESS</td> <td></td> </tr> <tr> <td>! IKEAONSHOP-8 Remove cart items</td> <td>CART</td> <td>20</td> <td>↑</td> <td>IN PROGRESS</td> <td></td> </tr> <tr> <td>! IKEAONSHOP-61 Verify the Login functionality with empty credential fields</td> <td>ADMIN START</td> <td></td> <td></td> <td>IN PROGRESS</td> <td></td> </tr> <tr> <td>! IKEAONSHOP-74 Search Bar in the home page is malfunctioning</td> <td>HOME PAGE</td> <td></td> <td></td> <td>DONE</td> <td></td> </tr> <tr> <td>! IKEAONSHOP-86 Help Cards are not uniform in size</td> <td>HOME PAGE</td> <td></td> <td></td> <td>DONE</td> <td></td> </tr> <tr> <td>! IKEAONSHOP-87 Search Bar in the Help page is not responding</td> <td>HOME PAGE</td> <td></td> <td></td> <td>IN PROGRESS</td> <td></td> </tr> <tr> <td>! IKEAONSHOP-88 IKEA Logo doesn't match with the UI Specifications</td> <td>HOME PAGE</td> <td></td> <td></td> <td>DONE</td> <td></td> </tr> <tr> <td>! IKEAONSHOP-89 When the IKEA Logo is clicked it is not refreshing the page</td> <td>HOME PAGE</td> <td></td> <td></td> <td>DONE</td> <td></td> </tr> </table>	! IKEAONSHOP-3 Search product	HOME PAGE	30	↑	TO DO		! IKEAONSHOP-4 Add to Cart	HOME PAGE	30	↑	IN PROGRESS		! IKEAONSHOP-51 IKEA vission	HOME PAGE	10	↑	TO DO		! IKEAONSHOP-5 Help	HOME PAGE	10	↓	IN PROGRESS		! IKEAONSHOP-8 Remove cart items	CART	20	↑	IN PROGRESS		! IKEAONSHOP-61 Verify the Login functionality with empty credential fields	ADMIN START			IN PROGRESS		! IKEAONSHOP-74 Search Bar in the home page is malfunctioning	HOME PAGE			DONE		! IKEAONSHOP-86 Help Cards are not uniform in size	HOME PAGE			DONE		! IKEAONSHOP-87 Search Bar in the Help page is not responding	HOME PAGE			IN PROGRESS		! IKEAONSHOP-88 IKEA Logo doesn't match with the UI Specifications	HOME PAGE			DONE		! IKEAONSHOP-89 When the IKEA Logo is clicked it is not refreshing the page	HOME PAGE			DONE	
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+ Create issue

Sprint 3

Projects / IKEA_SL Online Shopping

Backlog

The backlog for Sprint 3 contains 10 issues:

- IKEAONSHOP-9 Continue shopping (CART) - TO DO
- IKEAONSHOP-10 View checkout (CART) - TO DO
- IKEAONSHOP-56 Admin profile setting (ADMIN DASHBOARD) - TO DO
- IKEAONSHOP-58 Admin details & image (ADMIN DASHBOARD) - TO DO
- IKEAONSHOP-57 Admin log out (ADMIN DASHBOARD) - TO DO
- IKEAONSHOP-30 Contact Us - TO DO
- IKEAONSHOP-75 Search Bar on the admin dashboard is not functioning (ADMIN DASHBOARD) - DONE
- IKEAONSHOP-76 Admin details displayed on the dashboard is incorrect. - DONE
- IKEAONSHOP-84 When the Reset password button is clicked with empty fields it displays an incorrect pop up message appears. (ADMIN DASHBOARD) - DONE
- IKEAONSHOP-90 Send Button on Contact Us page is not functioning as expected (HOME PAGE) - DONE

Sprint 4

Projects / IKEA_SL Online Shopping

Backlog

The backlog for Sprint 4 contains 8 issues:

- IKEAONSHOP-14 Product Details (CHECK OUT PAGE) - DONE
- IKEAONSHOP-15 Payment Details (CHECK OUT PAGE) - DONE
- IKEAONSHOP-52 Front image (HOME PAGE) - DONE
- IKEAONSHOP-53 Contact details (HOME PAGE) - DONE
- IKEAONSHOP-85 Pay with credit card Button is Malfunctioning (CHECK OUT PAGE) - IN PROGRESS
- IKEAONSHOP-91 Products button on the home page does not work as expected (HOME PAGE) - DONE
- IKEAONSHOP-93 "Apply Changes" button and the "Close" button on Edit product details window are performing the same task (ORDERS) - DONE

Sprint 5

Projects / IKEA_SL Online Shopping

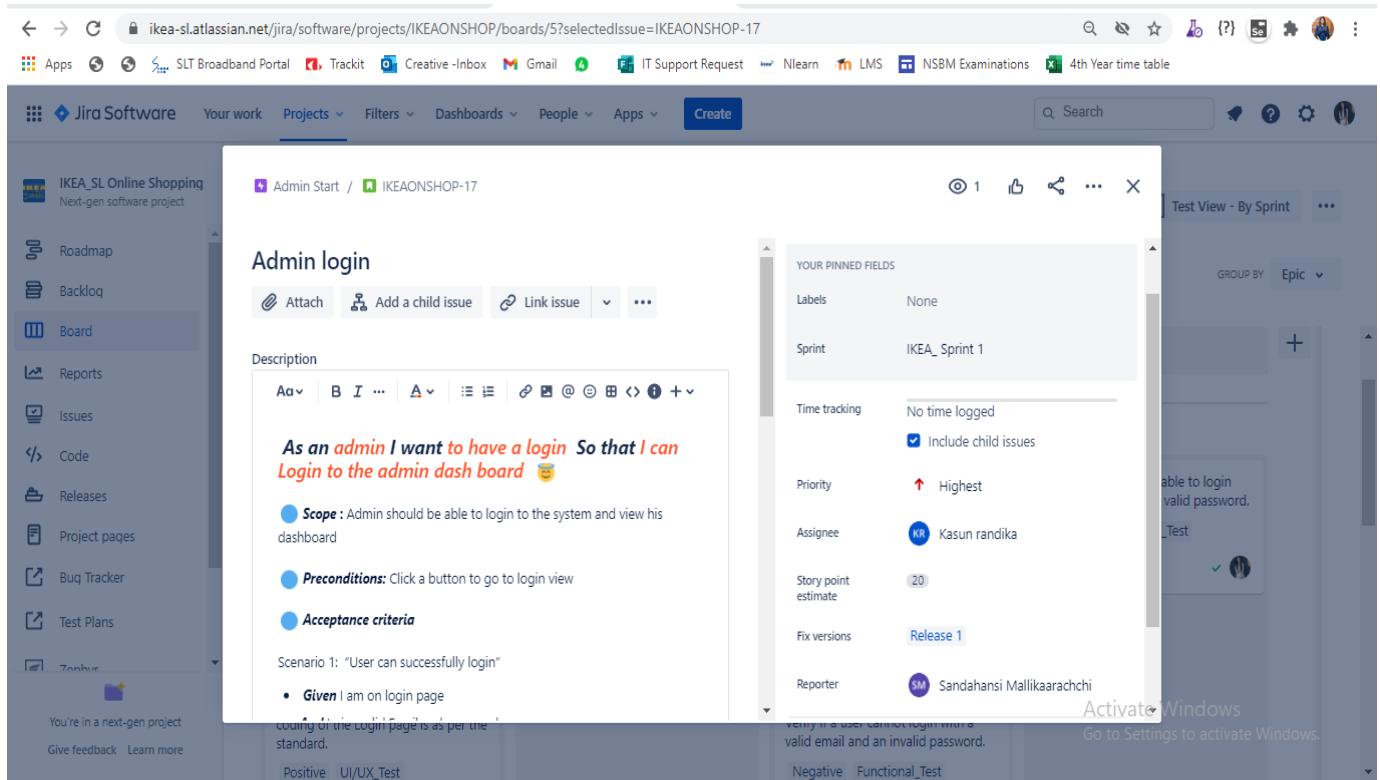
Backlog

The backlog for Sprint 5 contains 9 issues:

- IKEAONSHOP-54 Product images (CHECK OUT PAGE) - DONE
- IKEAONSHOP-55 Order details (CHECK OUT PAGE) - DONE
- IKEAONSHOP-67 IKEA logo (HOME PAGE) - DONE
- IKEAONSHOP-79 Incorrect Details in add Order window (ORDERS) - NEW
- IKEAONSHOP-81 Incorrect Details in the edit order window (ORDERS) - NEW
- IKEAONSHOP-82 Invalid content in the overview Page (ADMIN DASHBOARD - OVERVIEW) - NEW
- IKEAONSHOP-92 Invalid description on order details page (ORDERS) - NEW

EPICS and User stories

1. AdminDashbord



The screenshot shows a Jira Software interface for the 'IKEA_SL Online Shopping' project. The left sidebar is visible with various project management options like Roadmap, Backlog, Board, Reports, Issues, Code, Releases, Project pages, Bug Tracker, Test Plans, and Zephyr. The main content area displays an 'Admin Start / IKEAONSHOP-17' page. The title is 'Admin login'. The description section contains the following text:

As an admin I want to have a login So that I can Login to the admin dash board 😊

Scope : Admin should be able to login to the system and view his dashboard

Preconditions: Click a button to go to login view

Acceptance criteria

Scenario 1: "User can successfully login"

- Given I am on login page

coding of the login page is as per the standard.

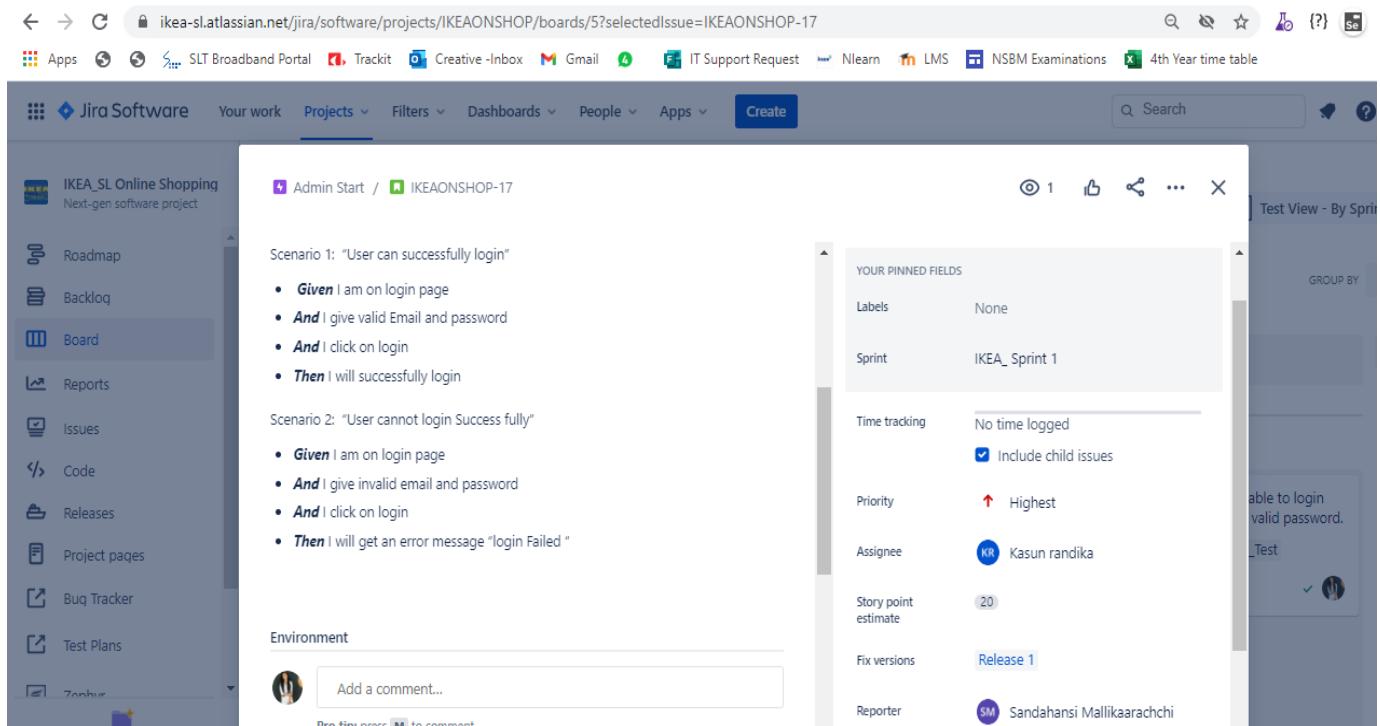
Positive UI/UX Test

The right side of the screen shows the 'YOUR PINNED FIELDS' panel with the following details:

YOUR PINNED FIELDS	
Labels	None
Sprint	IKEA_Sprint 1
Time tracking	No time logged
	<input checked="" type="checkbox"/> Include child issues
Priority	↑ Highest
Assignee	KR Kasun randika
Story point estimate	20
Fix versions	Release 1
Reporter	SM Sandahansi Mallikaarachchi

Notes on the right side of the panel:

- Verify if a user can login with a valid email and an invalid password.
- Activate Windows
- Go to Settings to activate Windows.
- Test



The screenshot shows the same Jira Software interface for the 'IKEA_SL Online Shopping' project. The left sidebar is visible. The main content area displays an 'Admin Start / IKEAONSHOP-17' page. The title is 'Admin login'. The description section contains the following text:

Scenario 1: "User can successfully login"

- Given I am on login page
- And I give valid Email and password
- And I click on login
- Then I will successfully login

Scenario 2: "User cannot login Success fully"

- Given I am on login page
- And I give invalid email and password
- And I click on login
- Then I will get an error message "login Failed "

The right side of the screen shows the 'YOUR PINNED FIELDS' panel with the following details:

YOUR PINNED FIELDS	
Labels	None
Sprint	IKEA_Sprint 1
Time tracking	No time logged
	<input checked="" type="checkbox"/> Include child issues
Priority	↑ Highest
Assignee	KR Kasun randika
Story point estimate	20
Fix versions	Release 1
Reporter	SM Sandahansi Mallikaarachchi

The 'Environment' section at the bottom of the main content area includes a comment input field: 'Add a comment...' and 'Don't have access? Click to comment'.

ikea-sl.atlassian.net/jira/software/projects/IKEAONSHOP/boards/5?selectedIssue=IKEAONSHOP-17

YOUR PINNED FIELDS

Labels	None
Sprint	IKEA_Sprint 1
Time tracking	No time logged
Priority	Highest
Assignee	Kasun randika
Story point estimate	20
Fix versions	Release 1
Reporter	Sandahansi Mallikaarachchi

2. View products

View product

As a customer I want to view available products So that I can select products easily 😊

Scope : Display all the available products

Preconditions : Visit the home page

Acceptance criteria:

Scenario 1: "available products can view successfully"

Time tracking

Priority

Assignee

Labels

Sprint

Story point estimate

Fix versions

Jira Software Your work Projects Filters Dashboards People Apps Create Search ⚡ ? ⚙️

IKEA_SL Online Shop Next-gen software prod...

Roadmap Backlog Board Reports Issues Code Releases Project pages Bug Tracker Test Plans

You're in a next-gen project. Give feedback Learn more

Home page / IKEAONSHOP-2

Scenario 1: "available products can view successfully"

- Given Customer on home page
- When customer click products button or scroll down
- Then customer should be able to see available products

Environment

None

Child issues

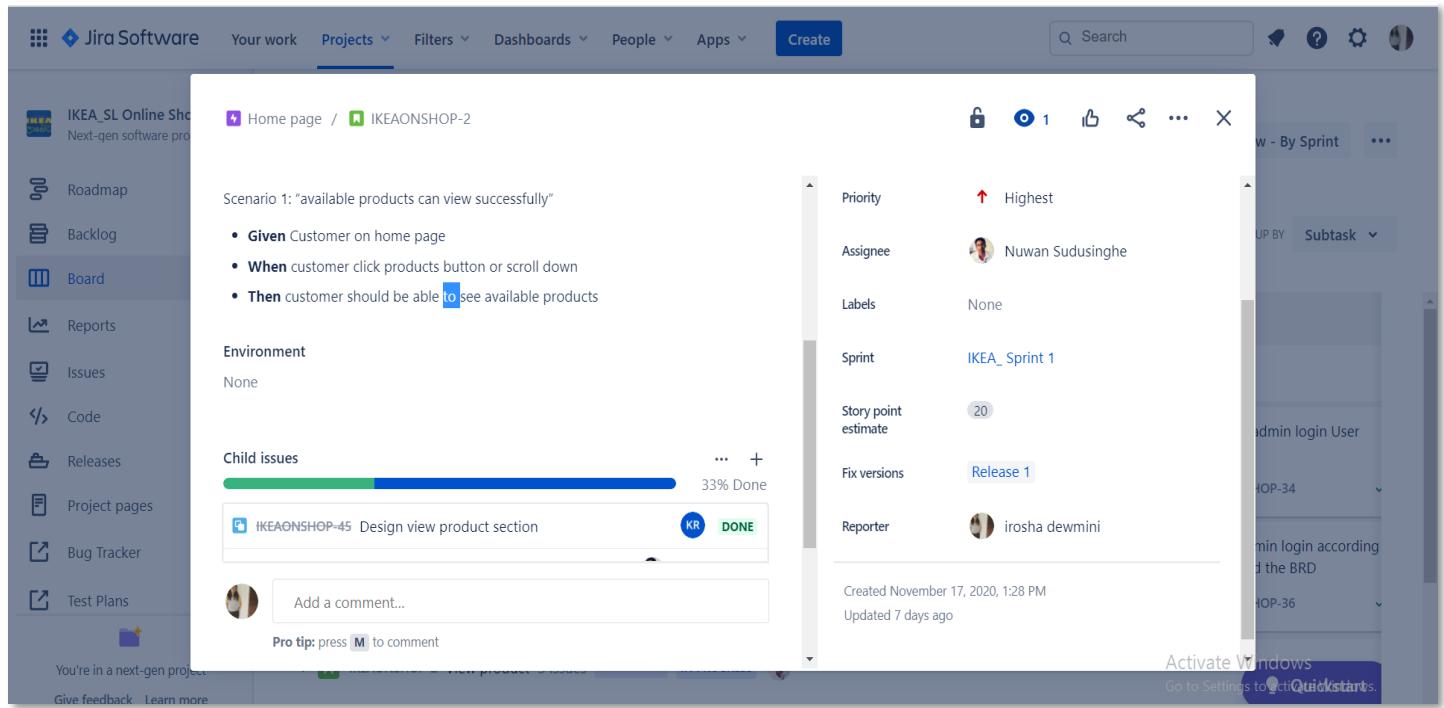
IKEAONSHOP-45 Design view product section KR DONE

Add a comment... Pro tip: press **M** to comment

Priority: Highest Assignee: Nuwan Sudusinghe Labels: None Sprint: IKEA_Sprint 1 Story point estimate: 20 Fix versions: Release 1 Reporter: irosha dewmini

Created November 17, 2020, 1:28 PM Updated 7 days ago

Activate Windows Go to Settings to activate Quickstart.



3. Sign up

Jira Software Your work Projects Filters Dashboards People Apps Create Search ⚡ ? ⚙️

IKEA_SL Online Shop Next-gen software prod...

Roadmap Backlog Board Reports Issues Code Releases Project pages Bug Tracker Test Plans

You're in a next-gen project. Give feedback Learn more

Admin Start / IKEAONSHOP-22

Description

As a New admin I want to create my account So that I can manage Ikea site successfully 😊

Scope :

- Build a sign up page
- User should be able to enter email, user name and Password
- User should be able to create new account

Precondition

- Click the same button used to log for the logging site
- Go to signup area

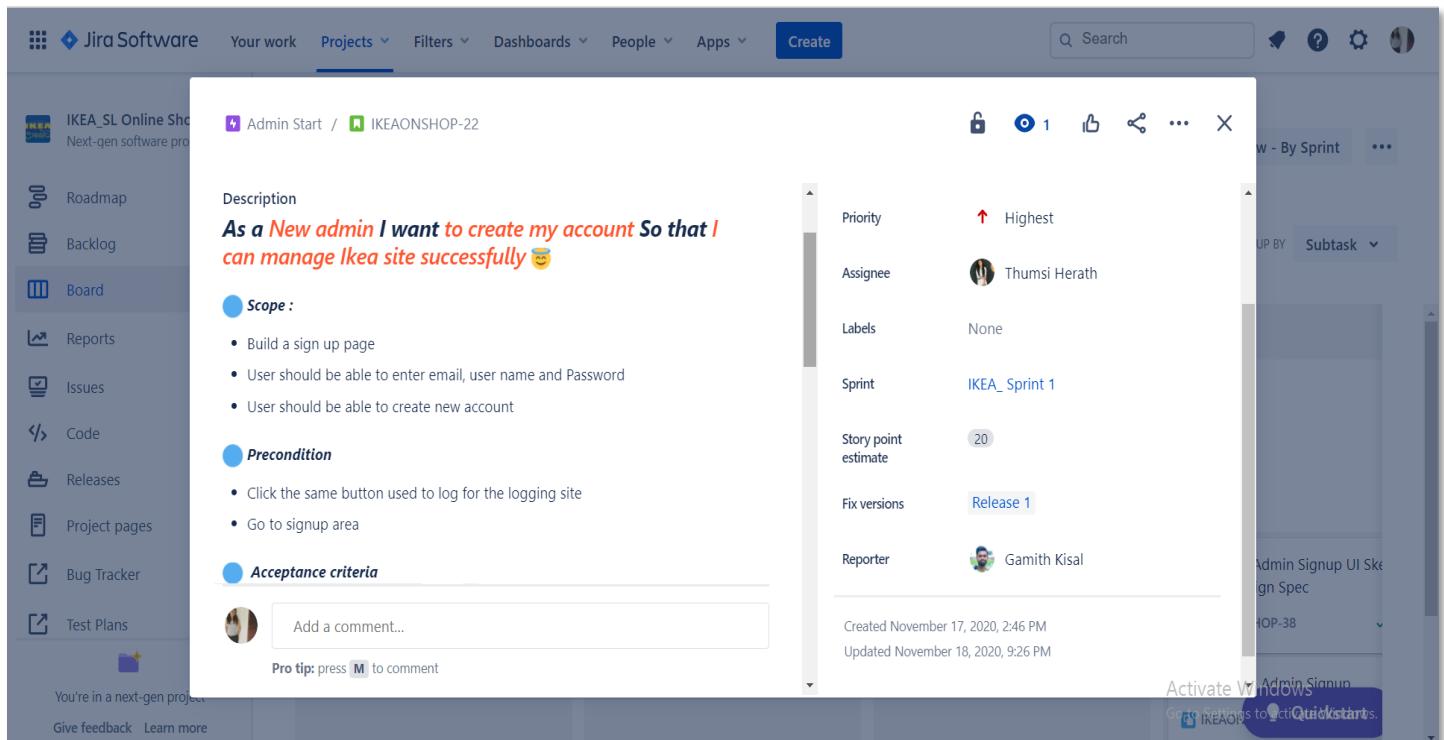
Acceptance criteria

Add a comment... Pro tip: press **M** to comment

Priority: Highest Assignee: Thumsi Herath Labels: None Sprint: IKEA_Sprint 1 Story point estimate: 20 Fix versions: Release 1 Reporter: Gamith Kisal

Created November 17, 2020, 2:46 PM Updated November 18, 2020, 9:26 PM

Activate Windows Go to Settings to activate Quickstart.



The screenshot shows a Jira Software interface for the 'IKEA_SL Online Shop' project. A story card for 'Admin Start' (issue ID IKEAONSHOP-22) is open. The card details acceptance criteria for user account creation, including two scenarios: one for successful account creation and one for failed sign-up. The story also includes metadata such as priority (Highest), assignee (Thumsi Herath), labels (None), sprint (IKEA_Sprint 1), story point estimate (20), fix version (Release 1), and reporter (Gamith Kisal). The card was created on November 17, 2020, and updated on November 18, 2020.

Priority	Highest
Assignee	Thumsi Herath
Labels	None
Sprint	IKEA_Sprint 1
Story point estimate	20
Fix versions	Release 1
Reporter	Gamith Kisal

Created November 17, 2020, 2:46 PM
Updated November 18, 2020, 9:26 PM

Design specifications

About UX

The core idea of a typical e-commerce user experience (UX) design is to get inside the head of our end user and figure out what will provide to them a simple and enjoyable shopping experience.

Make lots of preconceived knowledge. It is the basic information or certain habits found in the visitors of our site as they enter your online store. Such information can be gained by either following our competitors or even from the real world experiences. In addition to this, keep uniformity with regards to navigation across all pages including tabs, buttons, commands, and menus.

Make the checkout process and payments faster. Have you given thought to make things as easy as possible for customers to pay? After all, this move leads to an increase in conversions and sales.

Here are some pointers for making things easier for your customers to pay and increasing sales.

- we use numerous payment methods on the checkout page(e.g. debit or credit card)
- we Do not force people to sign up; it's a major conversion rate killer.
- Once customers get in your e-commerce website, they come back because our simple payment method.
- we also use Minimal form fields (seriously, the less the better!).
- we do not send customers other websites to pay.
- As well as use a clear call to action in payment method.
- Think of ways to get people back to your website.

I think shoppers are do not complete a purchase if a website is too slow and it is more complicated. So we use simple UI for increasing its speed. From it attract more visitors and convert site visitors into customers.

With the help of social media, give public recognition for customers

we use help page for the customers.

every business has valuable things. But the most valuable thing of ever business is customer service. It is still important,even online.

Of course, offering better customer service means you may find it hard to decrease the initial cost, but it will increase sales. Why customer service is more important than anything else in your business? Because it Builds trust,

Creates brand awareness, reduces customer churn.

About UI

We make the branding instantly visible on every page. So putting strategically important elements of branding in it, is a good way to strengthen its memorability.

Welcome screen is the first screen seen by a user while the application is loading and starting. It's a good idea to use a logo setting the instant visual connection with a brand. So we use simple welcome page and logo in every page.

We Minimize user's efforts whenever it's possible

Simplify the sign-in process. Imagine the situation when you got to the amazing website selling the goods of your dream, and they are presented in such a stylish way that you want to buy them at once.

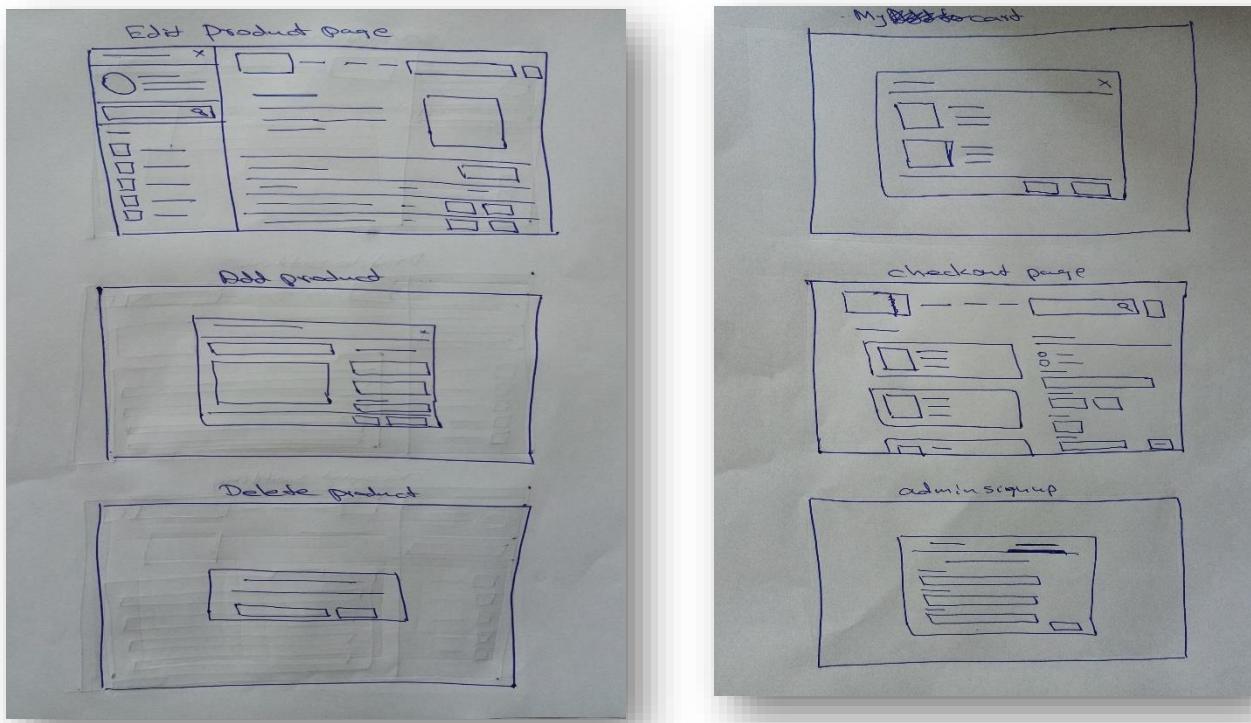
But when you click the button "add to cart", you are taken to the huge long form which you have to fill to register on that website.

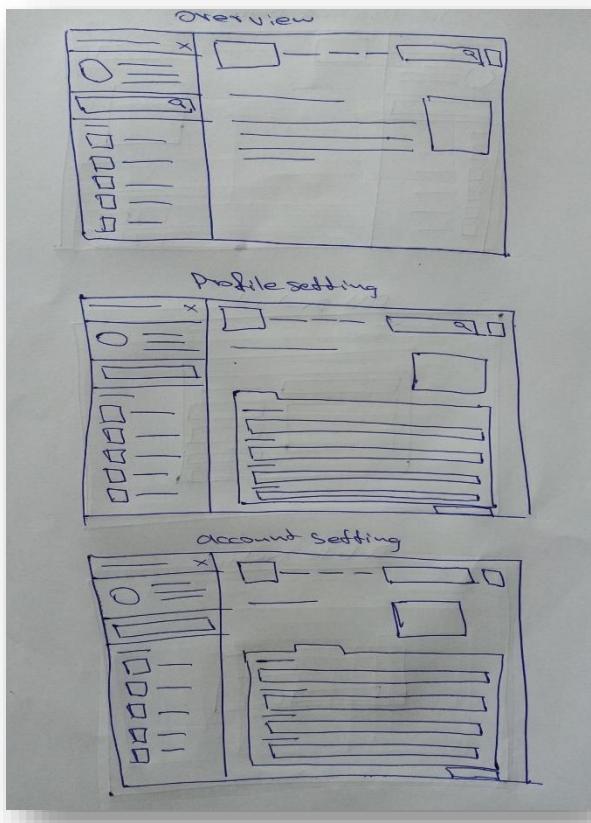
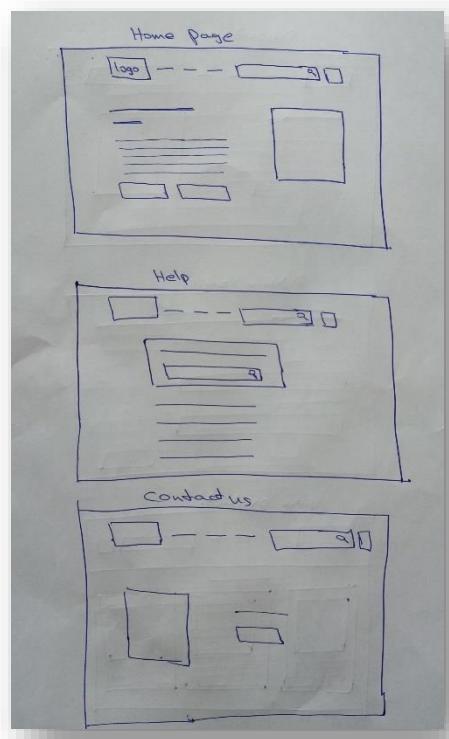
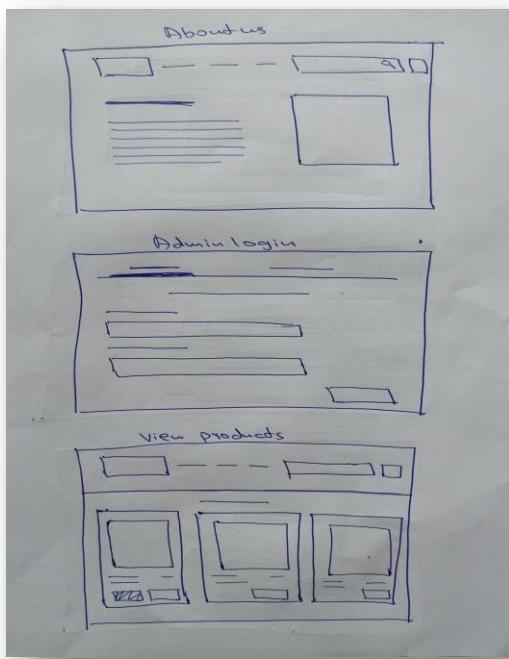
It is a headache for customers so we don't use any customer login. After clicking the button "add to cart" go to the payment page.

We show related products seen on the item page as recommendations close to the features of this particular product can make the process of search and browse much faster for users.

and we also strive for a minimal number of clicks. If going from page to page or jumping from screen to screen is not a part of the journey into the sales funnel, save every user's click possible. Too many operations are tiring and annoying, which is a kind of negative emotion. And emotions have a huge influence on user experience and make retaining users much harder. Minimize the number of clicks on the way of choosing and buying whenever it's possible. This way you respect user's time better than politest words of thanks.

Low level Design

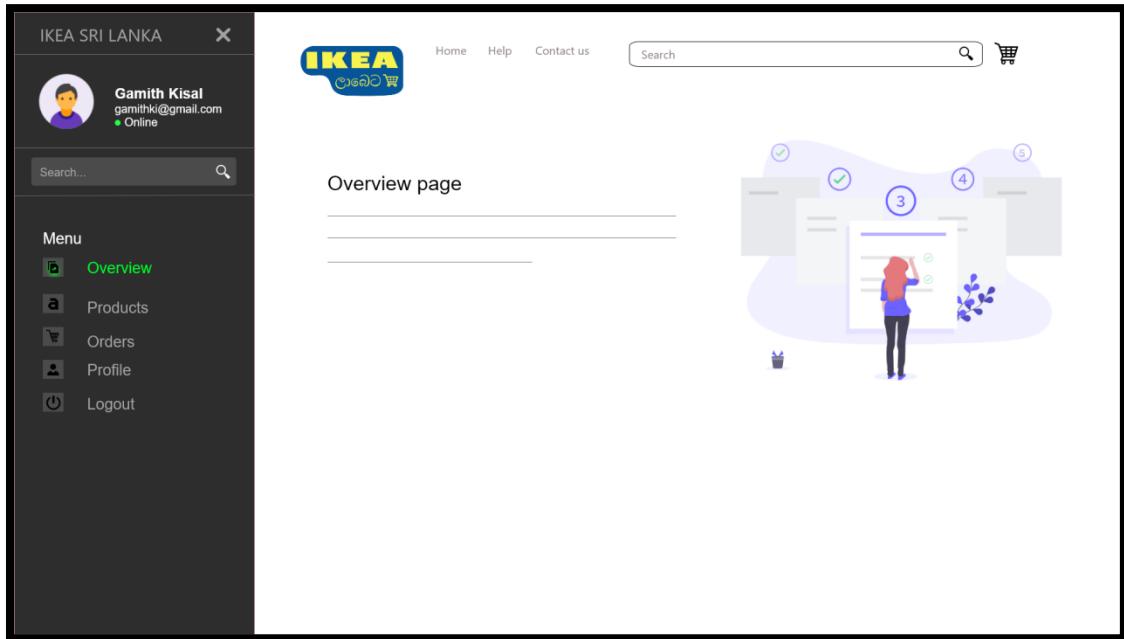
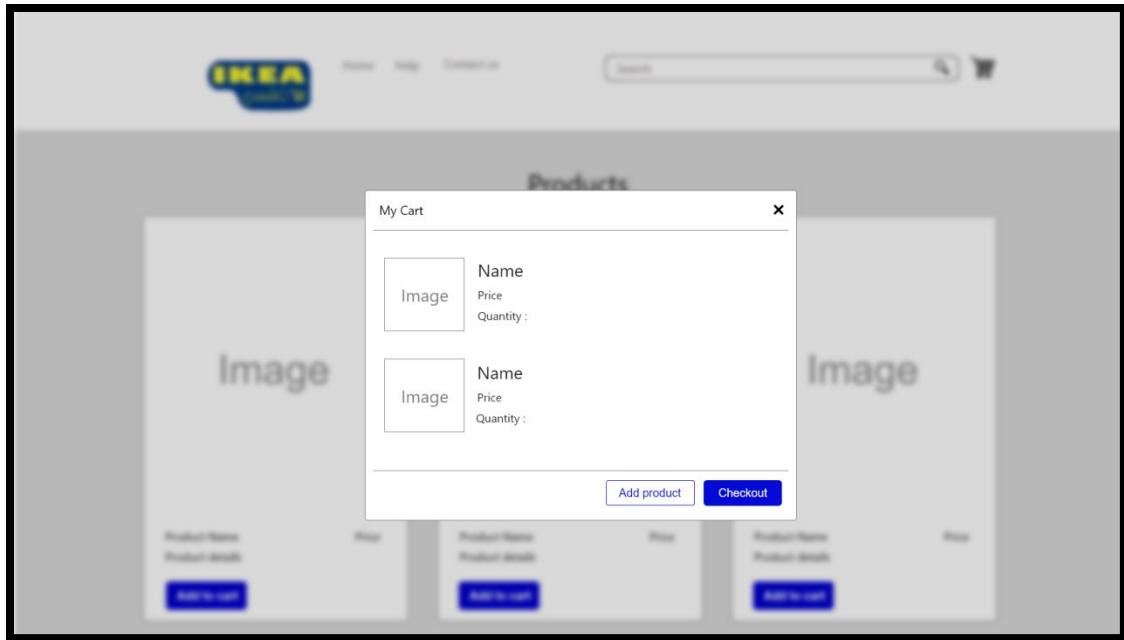




High level design

The high-level design for the IKEA Sri Lanka customer support website features a prominent blue header bar. The IKEA logo is at the top left, followed by navigation links for 'Home', 'Help', and 'Contact us'. A search bar with a magnifying glass icon and a shopping cart icon are on the right. Below the header is a large blue call-to-action box with the text 'How can we help you today ?' and a search bar placeholder 'Example:Order'. A list of support categories is displayed in grey rounded boxes: 'Your orders, Track packages, Edit or cancel order', 'Digital service and Device support, Troubleshoot device issues', 'Return or Exchange items, Print return mailing labels', 'Add or Edit payment methods, View, Reload gift card balance', and 'IKEA and COVID-19, FAQs about the impact on ordering'.

The high-level design for the IKEA Sri Lanka main website features a white header bar with the IKEA logo, 'Home', 'Help', 'Contact us', a search bar, and a shopping cart icon. Below the header is a large central image of a woman in a yellow dress walking past a smartphone displaying a shopping interface with a 'BUY' button. To the left of the image, the text 'IKEA Sri Lanka for Customers' is displayed, along with a quote: 'Oftentimes consumer,clients and customers are not just buying a product,they are buying an experience,a feeling,a perception,a person(YOU) and ultimately the IKEA BRAND'. At the bottom left are two buttons: 'Explore' and 'Products'.



IKEA SRI LANKA



Gamith Kisal
gamithki@gmail.com
Online

Search...

Menu

- Overview
- Products
- Orders
- Profile**
- Logout

IKEA පුදත් මාලා

Profile settings

Change your profile settings here



Profile Account

Name

Phone number

District

Postal code

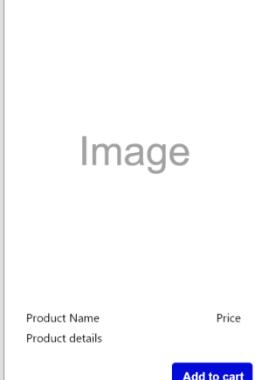
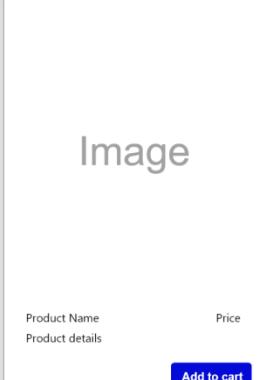
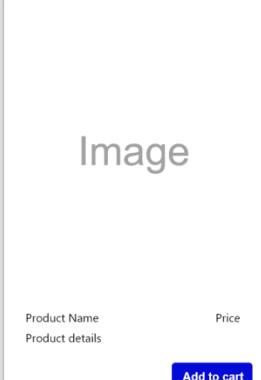
Save Changes

IKEA පුදත් මාලා

Home Help Contact us

Search

Products



Product Name
Product details

Price

Add to cart

Product Name
Product details

Price

Add to cart

Product Name
Product details

Price

Add to cart

IKEA ඒවෝ මාලු

Home Help Contact us

Search  

About Us.

One brand, many companies, and many, many people – that's us in a nutshell. Spread all over the world, we have a passion for home furnishing and an inspiring shared vision: to create a better everyday life for the many people. This, together with our straightforward business idea, shared values, and a culture based on the spirit of togetherness, guides us in everything we do.



Take a look at the year that passed.

People all over the world found new purpose for their homes as they changed their living rooms into offices and rediscovered life at home.

IKEA SRI LANKA 

 **Gamith Kisal**
gamithki@gmail.com 

Search... 

Menu

-  Overview
-  Products
-  Orders
-  **Profile**
-  Logout

IKEA ඒවෝ මාලු

Home Help Contact us

Search  

Profile settings

Change your profile settings here

Profile **Account**

Name

Enter user name

Email address

Enter email address

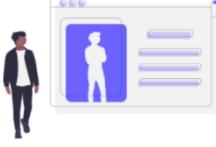
New password

Enter new password

Confirm password

Enter confirm password

Save Changes



IKEA SRI LANKA

Ganesh Kaval
ganeshkaval@gmail.com

Menu

- Dashboard
- Products
- Orders
- Profile
- Logout

Edit Product

Product Name

Product Details

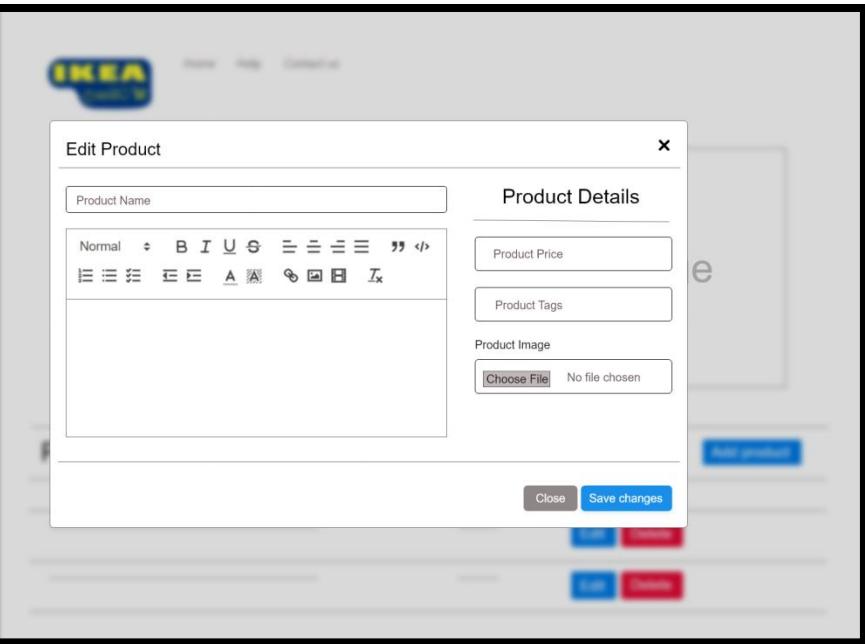
Product Price

Product Tags

Product Image

Choose File No file chosen

Close Save changes



IKEA Sri Lanka

Customers

100 million consumers decide what products they are buying at personal level and ultimately

Login **Signup**

Create New Account

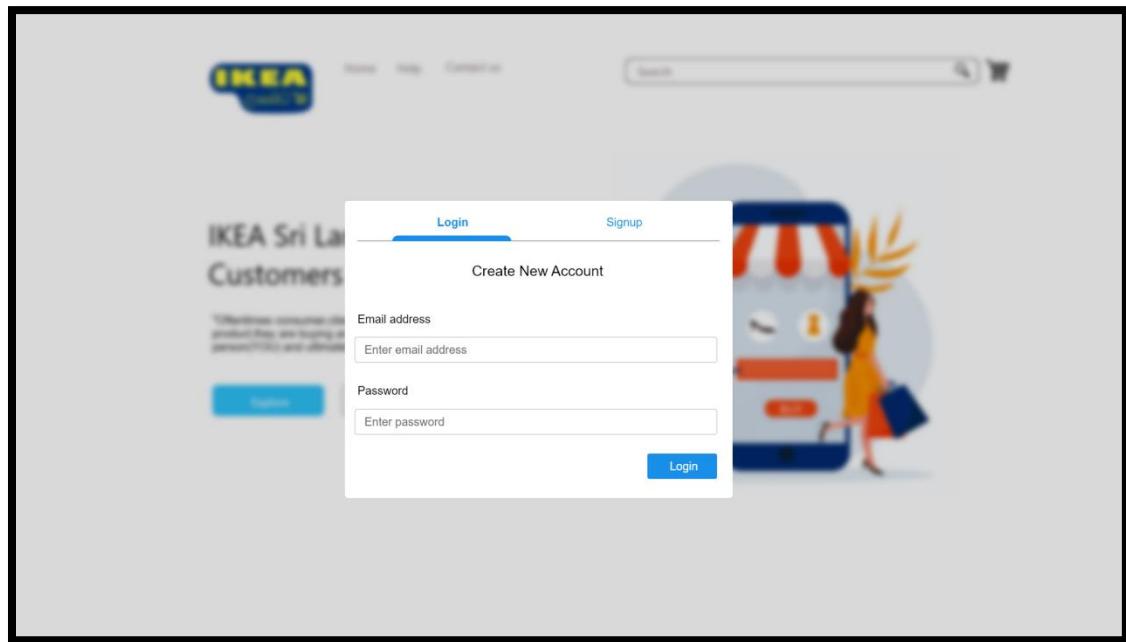
Email address

Enter email address

Password

Enter password

Login



IKEA Sri Lanka
Customers

100% Sri Lankan consumers like product they are buying at present? (100% and above)

Home Help Contact us Search 

[Login](#) [Signup](#)

Create New Account

Your Name

Email address

Password



IKEA
Sri Lanka

Checkout page

Home Help Contact us Search 

Payment Details

Payment method
 VISA
 

Card number

Expiration Date
 Month Year

CVN

Your Order

Total amount Rs

	Name <input type="text"/> Price <input type="text"/> Quantity : <input type="text"/>
	Name <input type="text"/> Price <input type="text"/> Quantity : <input type="text"/>
	Name <input type="text"/> Price <input type="text"/> Quantity : <input type="text"/>
	Name <input type="text"/> Price <input type="text"/> Quantity : <input type="text"/>

IKEA SRI LANKA

Gauth Kaval gauthkaval@gmail.com

Menu

- Overview
- Products**
- Orders
- Profile
- Logout

Product page

Are you sure?

You won't be able to revert this!

Yes,Delete it! Cancel

Product List

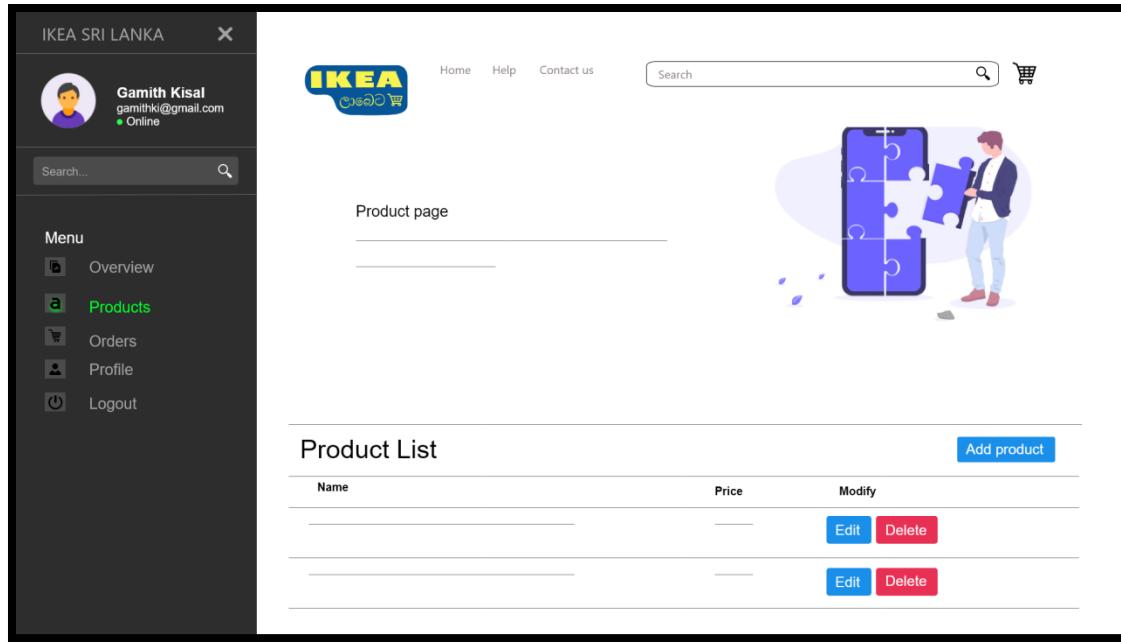
Name	Price	Warranty

Add product

IKEA පුද්ගලික

Home Help Contact us

Search



Implementation Details - Developing

According to the requirements of the project, we had to choose the most suitable technologies to develop this application. Below I have explained very clearly why we chose this set of technologies to carry out the implementation.

Technologies

1. Vue JS Framework



Vue JS is a JavaScript front-end framework that we can use to build modern, nimble web applications without using a lot of resources. One of the main reasons to choose Vue JS for this project is its easiness to learn compared to the other two big frameworks, and since we are developing an E-commerce site performance needed to be very high so due to Vue JS being very lean and small regarding the file size helped us to achieve expected performance. Also, another reason is that the Vue js extremely fast at runtime. Below I have mentioned some of the other reasons to choose this framework.

- Flexibility

So Vue JS can be used to build simple widgets as a part of your website or it can be used to develop huge single-page applications. In other words, it can be anything you need it to be. when we take our application, it is a complete single page application.

- Developer Friendly

First of all Vue js provide us with awesome documentation that makes learning very easy. Also, as I mentioned above learning curve of the Vue js is very friendly for new developers like me. Then there's Vue CLI. We used Vue CLI to create our project using a pre-configured template early on.

- Big community support

Vue has over 140K stars in the git hub. This gives developers like us really well polished plugins and other libraries etc. Also, I got stuck in some error I was able to find answers to that pretty quickly due to big community around Vue.

2. Firebase



- Main reason to choose the cloud fire store as our database solution is the scalability of the database. This is a highly scalable database so no need to worry about the on demand.
- Another one is the security. This new cloud first store has more robust security when comparing to old Realtime database.

- Has really powerful query ability.

3. Bootstrap

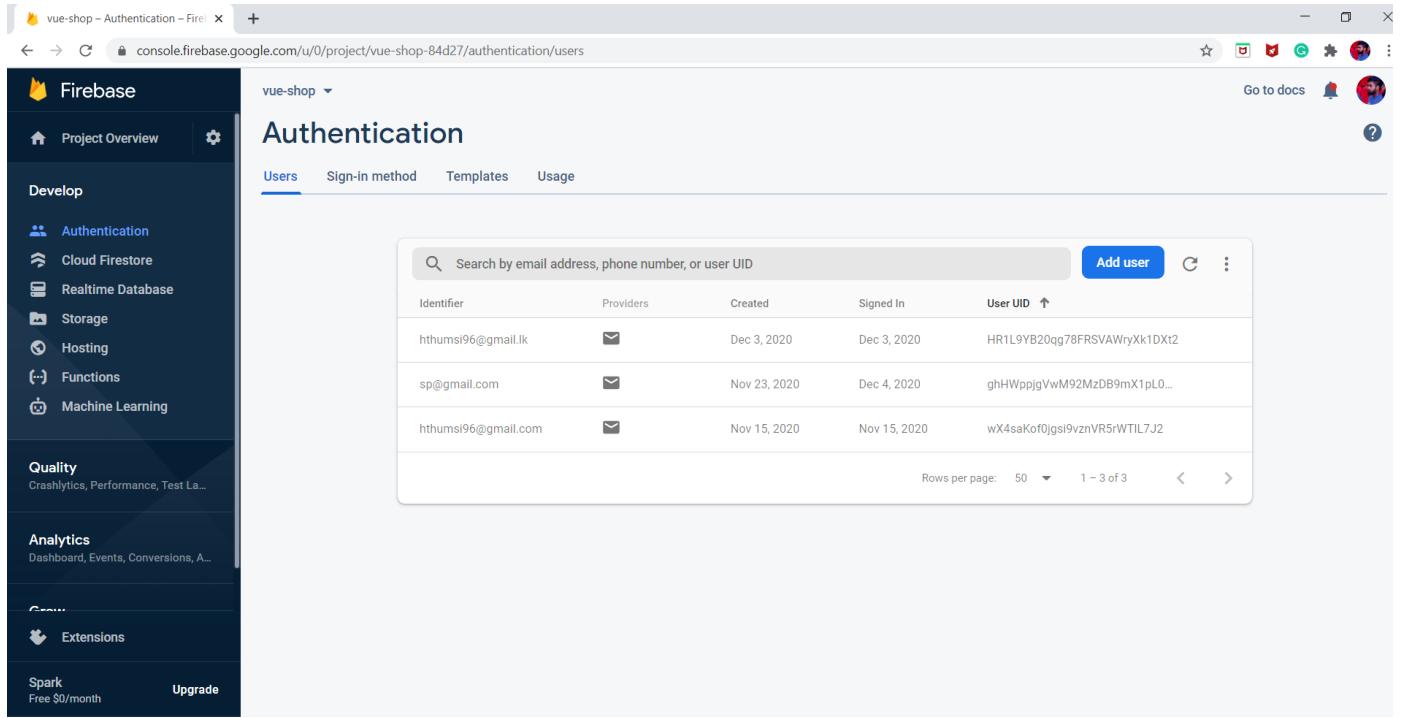


- A really handy css framework for any UI designs.
- Easy to get started(Can install through npm).
- Base styling for most HTML elements.
- Good documentation.

These are the main 3 frameworks used in the project. In implementation details I'll explain more about used plugins and the dependencies.

Implementation of the Admin functionality

According to the given user stories here admin can create accounts and log into the system. To this login functionality we used another firebase feature which is “**Firebase Authentication**”.



The screenshot shows the Firebase Authentication screen for a project named 'vue-shop'. The left sidebar includes 'Project Overview', 'Authentication' (selected), 'Cloud Firestore', 'Realtime Database', 'Storage', 'Hosting', 'Functions', 'Machine Learning', 'Quality' (Crashlytics, Performance, Test Lab), 'Analytics' (Dashboard, Events, Conversions, A/B Testing), 'Extensions', and 'Spark' (Free \$0/month, Upgrade). The main content area is titled 'Authentication' and shows a table of users. The table has columns for Identifier, Providers, Created, Signed In, and User UID. The data is as follows:

Identifier	Providers	Created	Signed In	User UID
hthumsi96@gmail.lk	✉	Dec 3, 2020	Dec 3, 2020	HR1L9YB20qg78FRSVAWryXk1Dxt2
sp@gmail.com	✉	Nov 23, 2020	Dec 4, 2020	ghHWppjgVwM92MzDB9mX1pL0...
hthumsi96@gmail.com	✉	Nov 15, 2020	Nov 15, 2020	wX4saKof0jgsi9vznVR5rWTl7J2

At the bottom, there are buttons for 'Rows per page' (50), '1 - 3 of 3', and navigation arrows.

Also, in this system admin can add, update, read, and delete both product and order details .and admin can update his or her personal details as well. Another functionality is that if admin wants to reset his or her password it can be done using reset password functionality.

Admin dashboard / IKEAONSHOP-25

Done ✓ Done

Admin Product area

Attachment: Add a child issue Link issue

Description

As an Admin I want to Edit products So that I can make upload, edit delete products 😊

Scope:

- Create a product page
- Admin should be able to add product
- Admin should be able to edit and delete products

Precondition: Click products in admin dashboard

Acceptance Criteria

Scenario 1: "successfully add product"

Add a comment...

Pro tip: press **M** to comment

Time tracking: No time logged

Priority: High

Assignee: Gamith Kisal

Labels: None

Sprint: IKEA_ Sprint 1

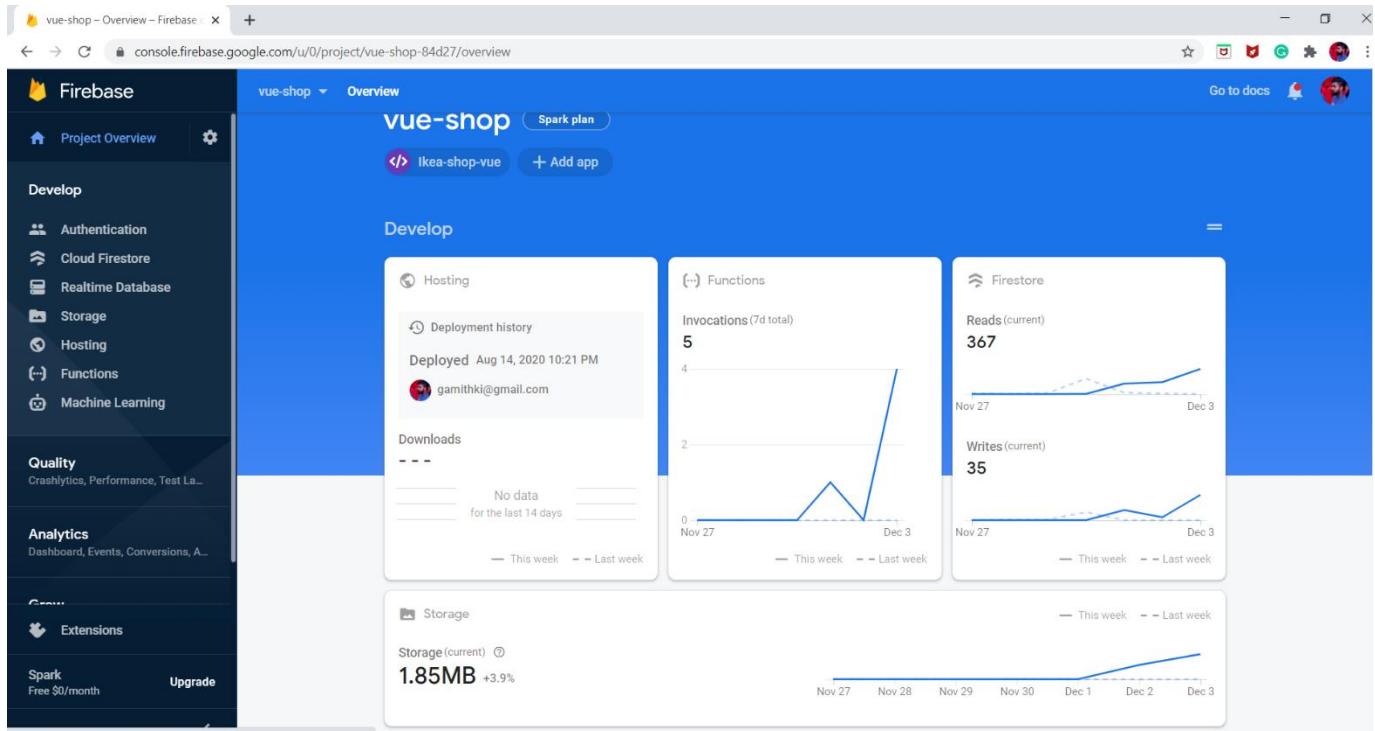
Story point estimate: 40

Fix versions: Release 1

Reporter: irosha dewmini

Created November 17, 2020, 2:48 PM

To add the product images, we used firebase storage as well. After saving the images in the firebase storage we saved the image URL in the product collection.



The screenshot shows the Firebase Cloud Firestore interface. On the left, the 'Develop' sidebar is open, showing options like Authentication, Cloud Firestore, and Storage. The main area shows a document structure under 'products'. A specific document 'BKxV1Jq2ro5MzrtKGCKV' is expanded, showing fields such as 'description' (containing a placeholder for a food container), 'id' (BKxV1Jq2ro5MzrtKGCKV), and 'images' (containing two URLs for images of a toy panda). The 'Cloud Firestore location' is listed as 'nam5 (us-central)'.

And also we used lots of vue plugins and libraries here. for example Vue Router etc. Below are the all the dependencies and the plugins we used in this project shown through VUE GUI.

The screenshot shows the 'Project plugins' interface of the Vue CLI. The left sidebar has 'ikea-shop' selected and shows 'Plugins' as the active tab. The main area is titled 'Project plugins' and shows a list of 'Installed plugins'. The list includes:

- @vue/cli-service version 4.4.6 latest 4.5.9 ★ Official ○ Installed [More Info]
- @vue/cli-plugin-babel version 4.4.6 latest 4.5.9 ★ Official ○ Installed [More Info]
- @vue/cli-plugin-e2e-cypress version 4.5.9 latest 4.5.9 ★ Official ○ Installed [More Info]
- @vue/cli-plugin-eslint version 4.4.6 latest 4.5.9 ★ Official ○ Installed [More Info]
- @vue/cli-plugin-router version 4.4.6 latest 4.5.9 ★ Official ○ Installed [More Info]
- @vue/cli-plugin-unit-jest version 4.5.9 latest 4.5.9 ★ Official ○ Installed [More Info]

At the bottom, a Windows taskbar shows a failed connection to the npm registry.

vue-shop – Cloud Firestore – Fire [Beta] Vue CLI

localhost:8000/dependencies

ikea-shop

Project dependencies

Icon	Name	Version	Latest	Status	Actions
jQuery	jquery	wanted	latest	Installed	More Info
Popper.js	popper.js	wanted	latest	Installed	More Info
Stripe	stripe	wanted	latest	Installed	More Info
Vue.js	vue	wanted	latest	Installed	More Info
Vue-Carousel	vue-carousel	wanted	latest	Installed	More Info
Vue-Firebase	vue-firebase	wanted	latest	Installed	More Info
Vue-Router	vue-router	wanted	latest	Installed	More Info
Vue2-Editor	vue2-editor	wanted	latest	Installed	More Info
Vue2-Filters	vue2-filters				

12/4/2020, 9:48:15 PM 9:41 PM 12/4/2020

C:\Users\Gamith\Desktop\ikea-shop Ready on http://localhost:8000

vue-shop – Cloud Firestore – Fire [Beta] Vue CLI

localhost:8000/dependencies

ikea-shop

Project dependencies

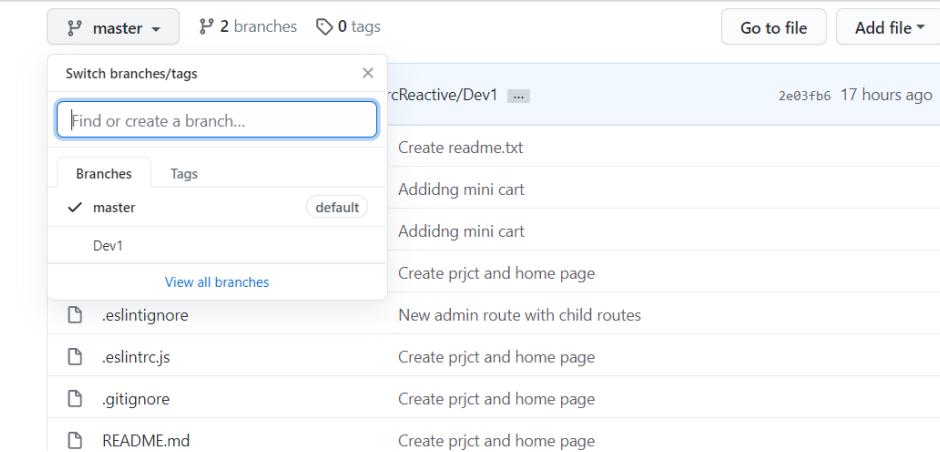
Icon	Name	Version	Latest	Status	Actions
Babel-Eslint	babel-eslint	wanted	latest	Installed	More Info
Eslint	eslint	wanted	latest	Installed	More Info
Eslint-Plugin-Prettier	eslint-plugin-prettier	wanted	latest	Installed	More Info
Eslint-Plugin-Vue	eslint-plugin-vue	wanted	latest	Installed	More Info
Node-Sass	node-sass	wanted	latest	Installed	More Info
Prettier	prettier	wanted	latest	Installed	More Info
Sass-Loader	sass-loader	wanted	latest	Installed	More Info
Sweetalert2	sweetalert2	wanted	latest	Installed	More Info
Vue-Template-Compiler	vue-template-compiler	wanted	latest	Installed	More Info

12/4/2020, 9:48:35 PM 9:42 PM 12/4/2020

C:\Users\Gamith\Desktop\ikea-shop Ready on http://localhost:8000

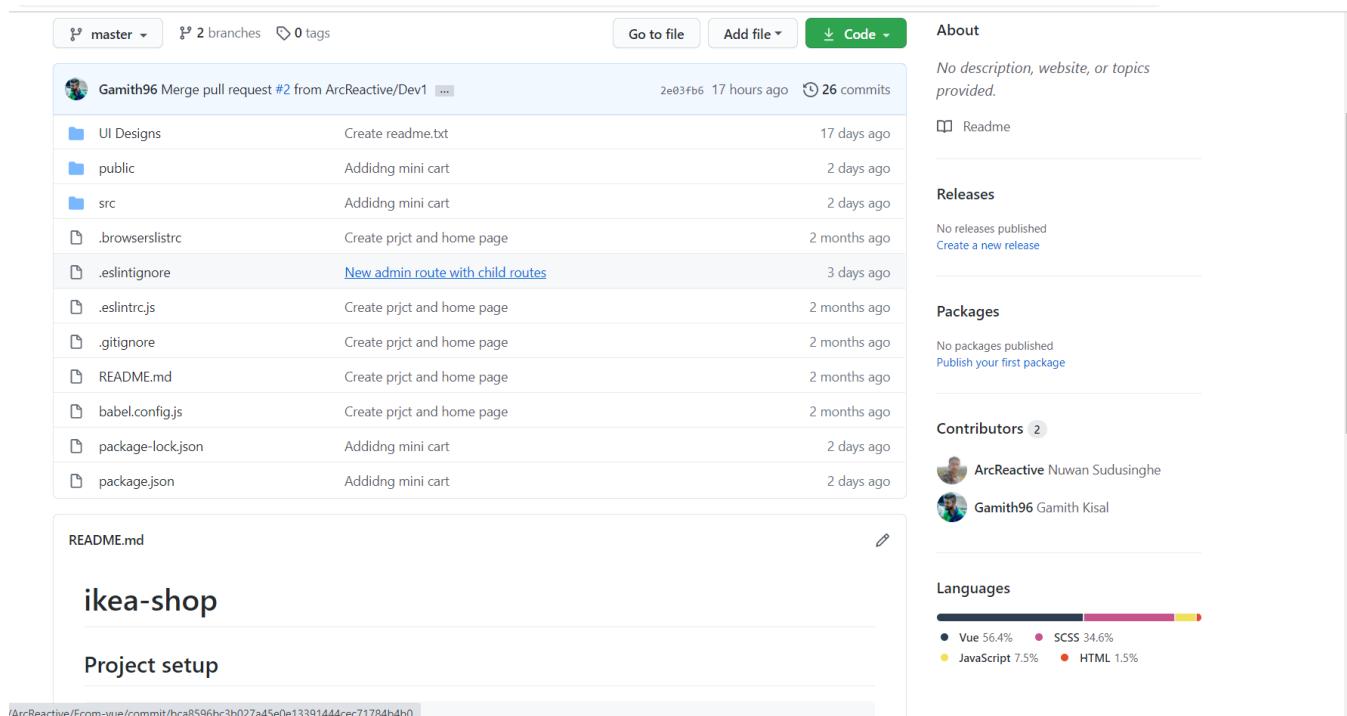
Use of GIT

At the end of every change we tried to commit our changes to our GitHub repo. Also, we maintained two branches. One for the development and other one is the master branch.



This screenshot shows a GitHub repository interface. The top navigation bar indicates the repository is named 'ArcReactive/Dev1', has 2 branches, and 0 tags. The 'master' branch is selected. A modal window titled 'Switch branches/tags' is open, showing a search bar and a list of branches: 'master' (selected and marked as 'default') and 'Dev1'. Below the modal, the repository's commit history is displayed, showing the following commits:

- 2e03fb6 17 hours ago: Create readme.txt
- Addidng mini cart
- Addidng mini cart
- Create prjct and home page
- New admin route with child routes
- Create prjct and home page
- Create prjct and home page
- Create prjct and home page



This screenshot shows a GitHub repository interface for the 'master' branch. The commit history is detailed, showing 26 commits from 'Gamith96' and 'ArcReactive'. The commits are listed with their descriptions and timestamps:

- 2e03fb6 17 hours ago: Merge pull request #2 from ArcReactive/Dev1
- UI Designs: Create readme.txt (17 days ago)
- public: Addidng mini cart (2 days ago)
- src: Addidng mini cart (2 days ago)
- .browserslistrc: Create prjct and home page (2 months ago)
- .eslintignore: New admin route with child routes (3 days ago)
- .eslintrc.js: Create prjct and home page (2 months ago)
- .gitignore: Create prjct and home page (2 months ago)
- README.md: Create prjct and home page (2 months ago)
- babel.config.js: Create prjct and home page (2 months ago)
- package-lock.json: Addidng mini cart (2 days ago)
- package.json: Addidng mini cart (2 days ago)

On the right side of the repository page, there are sections for 'About', 'Releases', 'Packages', 'Contributors', and 'Languages'. The 'About' section notes 'No description, website, or topics provided.' The 'Releases' section indicates 'No releases published' and 'Create a new release'. The 'Packages' section shows 'No packages published' and 'Publish your first package'. The 'Contributors' section lists 'ArcReactive' and 'Gamith96'. The 'Languages' section shows a breakdown of the code: Vue (56.4%), SCSS (34.6%), JavaScript (7.5%), and HTML (1.5%).

 ArcReactive committed 2 days ago	 a74a7ca 
 add funtinality on send button	 ef5e0af 
 ArcReactive committed 2 days ago	
Added product list	 d23ae29 
 ArcReactive committed 2 days ago	
Admin profile page	 c4622ca 
 Gamith96 committed 3 days ago	
CRUD product page	 706d6d2 
 Gamith96 committed 3 days ago	
Merge branch 'Dev1' of https://github.com/ArcReactive/Ecom-vue into Dev1	 706d6d2 
 Gamith96 committed 3 days ago	
changes	 67a18ab 
 Gamith96 committed 3 days ago	
Overview page	 109f892 
 Gamith96 committed 3 days ago	
Merge branch 'Dev1' of https://github.com/ArcReactive/Ecom-vue into Dev1	 0419ee1 
 ArcReactive committed 3 days ago	
Added validations to login and register.	 a53bb94 
 ArcReactive committed 3 days ago	

Risk Management

- **Risk Identification**

1. Time

- Ommiting tasks from the schedule
- Overrun the schedule
- Delays of releases and sprnts

2. Communication

- Dissatisfaction of the projec team and stakeholders
- Pandamic situation affect the pysical meetings

3. Scope

- anagement of changes
- Poorly defined scope

4. Resources

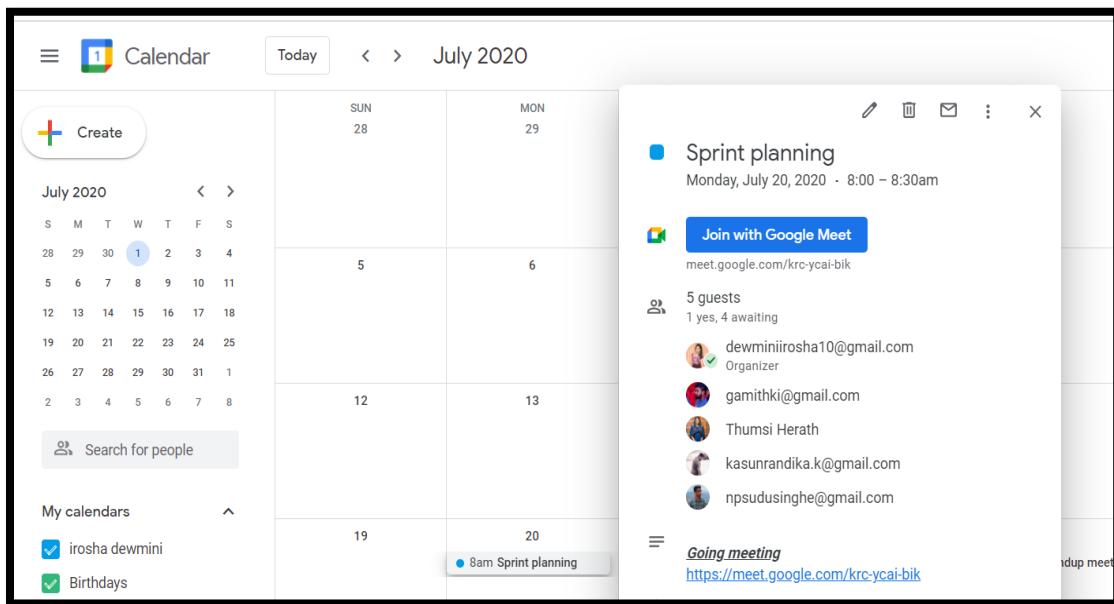
- Skills and abilities gap
- Lack of industrial knowledg

Risk management Report

ID	Risk	Impact	Risk response	Priority
1	Delays of releases	High	Confirm delivery dates	High
2	Communication gap	High	Daily meetings	High
3	Poor management of changes	High	Meetings to discuss changes	high
4	Skills and ability gap	medium	Identify individual's ability levels and manage and share tasks	medium
5	Lack of industrial knowledge	High	Get help from industry experts	High

Communication plan

As the project manager I have planned meetings throughout the project. I have started with the **Sprint planning meeting**. It was held in Monday and at the beginning of a sprint. And also I have decided to hold **Daily Standup meetings** to communicate and review the project team progress.



The screenshot shows a Google Calendar interface. On the left, a sidebar displays the month of July 2020 with a weekly grid. A meeting is scheduled for Monday, July 20, 2020, from 8:00 to 8:30 am. The meeting details are shown in a modal window:

- Sprint planning** (Meeting title)
- Monday, July 20, 2020 · 8:00 – 8:30am (Meeting time)
- Join with Google Meet** (Link: meet.google.com/krc-ycai-bik)
- 5 guests (Guest count):
 - dewminirosha10@gmail.com (Organizer)
 - gamithki@gmail.com
 - Thumsi Herath
 - kasunrandika.k@gmail.com
 - npsudusinghe@gmail.com

Calendar Today August 2020

Daily Standup meeting
Tuesday, August 11, 2020 - 8:00 – 8:15am
Daily, until Sep 25, 2020

Join with Google Meet
meet.google.com/chn-zhzz-rhp

5 guests
1 yes, 4 awaiting

 **dewminirosha10@gmail.com**
Organizer

 **gamithki@gmail.com**

 **Thumsi Herath**

 **kasunrandika.k@gmail.com**

 **npsudusinghe@gmail.com**

Going meeting
<https://meet.google.com/chn-zhzz-rhp>

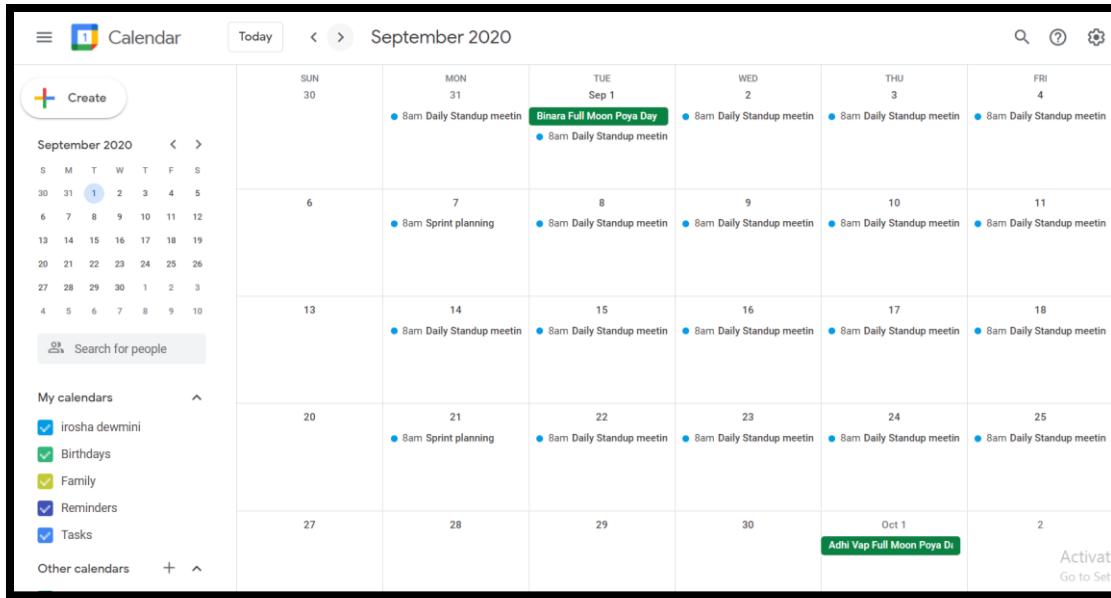
TUE	WED	THU
28	29	30
8am Daily Standup meetin	8am Daily Standup meetin	8am Daily Standup meetin
4	5	6
8am Daily Standup meetin	8am Daily Standup meetin	8am Daily Standup meetin
11	12	13
8am Daily Standup meetin	8am Daily Standup meetin	8am Daily Standup meetin
18	19	20
8am Daily Standup meetin	8am Daily Standup meetin	8am Daily Standup meetin
25	26	27
8am Daily Standup meetin	8am Daily Standup meetin	8am Daily Standup meetin

Calendar Today August 2020

Nikini Full Moon Poya Day

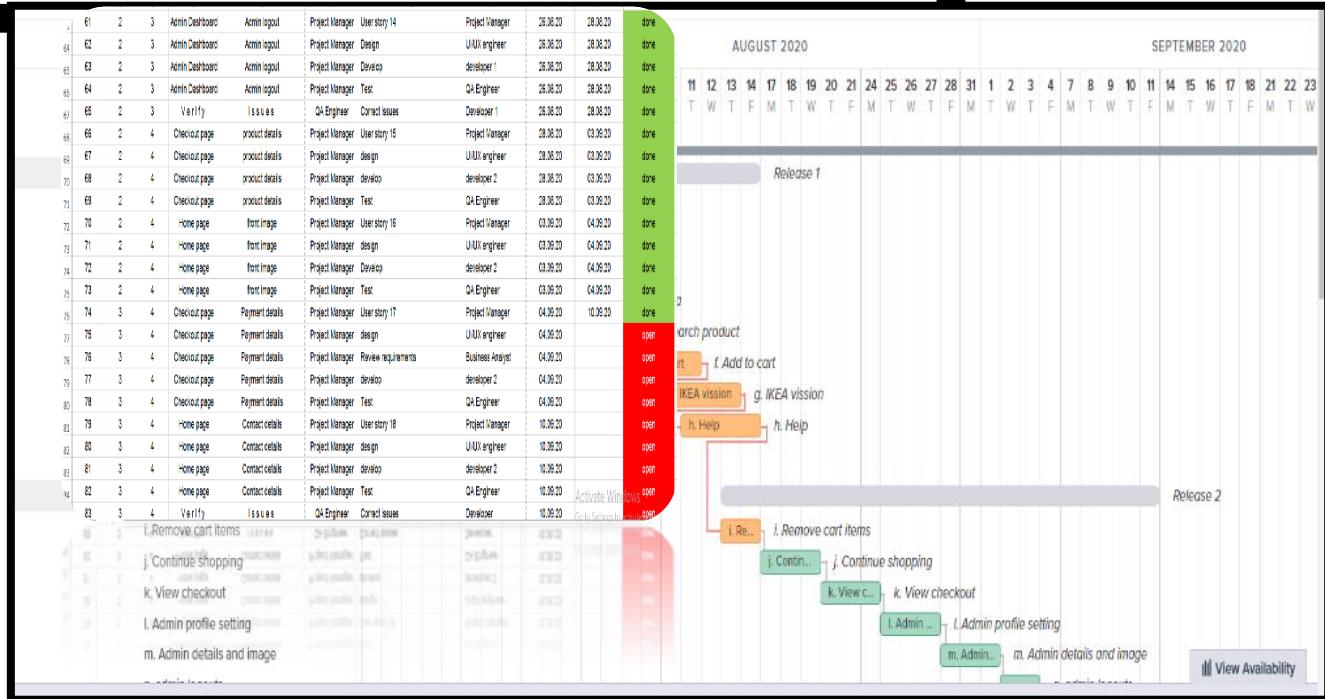
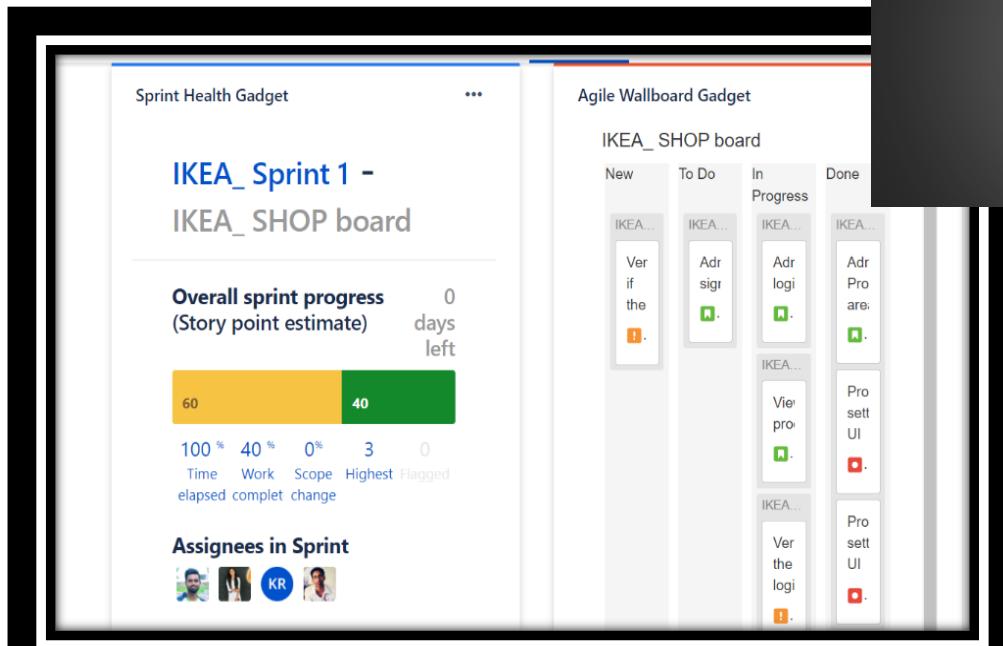
Binara Full Moon Poya Day

SUN	MON	TUE	WED	THU	FRI
26	27	28	29	30	31
1		28am Sprint planning	8am Daily Standup meetin	8am Daily Standup meetin	8am Daily Standup meetin
2	3	4	5	6	7
	Nikini Full Moon Poya Day	8am Daily Standup meetin	8am Daily Standup meetin	8am Daily Standup meetin	8am Daily Standup meetin
9	10	11	12	13	14
16	17	18	19	20	21
23	24	25	26	27	28
30	31	1	2	3	4
		8am Sprint planning	8am Daily Standup meetin	8am Daily Standup meetin	8am Daily Standup meetin
		10	11	12	13
		8am Sprint planning	8am Daily Standup meetin	8am Daily Standup meetin	8am Daily Standup meetin
		16	17	18	19
		8am Daily Standup meetin	8am Daily Standup meetin	8am Daily Standup meetin	8am Daily Standup meetin
		23	24	25	26
		8am Sprint planning	8am Daily Standup meetin	8am Daily Standup meetin	8am Daily Standup meetin
		30	31	Sep 1	2
		8am Daily Standup meetin	Binara Full Moon Poya Day	8am Daily Standup meetin	8am Daily Standup meetin
				8am Daily Standup meetin	8am Daily Standup meetin



	Deliverables	Description	Delivery method	Frequency	Owner	Audience
Reports	Project status report	Weekly update of project status and project team members status	Email	Weekly	Project manager	Project Team
	Action and issue tracker	Track regularly the updates of tasks and issues	Email	Daily	Project manager	Project team
Project Announcements	Task reminders	Assign tasks to the task owner	Emails	Daily	Project manager	Project team
Reviews and meetings	Daily standup meeting	Meeting to review <ul style="list-style-type: none"> • What did you do yesterday • What will you do today? • What are the problems affecting to progress 	Google calendar	Daily 15mins	Project manager	Project team
	Sprint planning meeting	Plan the sprint and tasks	Jira	Within 10 days 30 mins/45mins	Project manager	Project team

Project Management Dashboard



Budget plan

Types of cost	Planned costs	Actual costs
Staff cost	0.00	0.00
External services	0.00	0.00
Materials	0.00	0.00
Travel expenses	500/-	0.00
Other costs (data)	5000.00	4850/-
Total cost	5500/-	4850/-

OUR TEAM



Project Manager

Profile

Name : W.A.I.D. Wijesinghe
ID : 10022773
Email : dewminiirossha10@gmail.com
Contact No : 0766604617

Responsibilities

As a Project manager I am responsible for the final output and the completion of the project. I have managed all the project resources, time, budget, stake holders and quality of the project.

Tools and technologies

1. Jira
2. Google calendar – for meeting schedules
3. Draw.io - draw diagrams, user story map, WBS
4. MS office
5. Git hub

Reports generated

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none">1. Action and issue tracker3. Project proposal and charter5. Project organization – WBS, User story map7. Project roles and responsibility report9. Project budget plan11. Stakeholder matrix | <ol style="list-style-type: none">2. Communication plan4. Requirement specification6. Project management status report8. Change request tracker10. Lessoned learned12. Risk log |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Contribution of Project manager

- Identify the team members and their abilities.
- Decide meeting schedules and maintain daily meetings.
- Manage the team members.
- Decide the agile as the methodology according to the client requirements
- Analyze requirements with BA.
- Use Jira to track tasks.
- Decide sprint durations and create agile sprints.
- Assign tasks to the team members.
- Maintain backlogs and sprints
- View progress of the project and team members.
- Maintain reports throughout the project.

Quality Assurance Engineer



Profile

Name : Thumsi Indrachapa Herath
ID : 10022775
Email : hthumsi96@gmail.com
Contact No : 0702241786

Responsibilities

As a QA Engineer, I took the responsibility of ensuring the quality of the product. For that I started to test the product at the early stages. I checked whether the product matches with the expected requirements. The purpose of my work is to identify errors, gaps and the missing requirements in contrast with the actual requirements. I used both automation and manual testing tools and techniques to test our product.

Tools and technologies

1. JIRA
2. Jet Brains You Track – Bug Tracking tool
3. Zephyr Plugin for JIRA – Test case Management
4. Selenium IDE – Automation tool
5. JMeter – Automation tool
6. Git Hub

Documentations

1. Test Plan Document
2. Test Case document
3. Test Reports
4. Bug Reports
5. Root Cause Analysis

My Contribution to the project:

- As a QA first I reviewed the Requirement documents, user specifications and then the design documents to provide a meaningful feedback.
- Suggesting solutions for the identified problems and mismatches to ensure the quality.
- Created a well - structured test plan.
- Created comprehensive and detailed test cases.
- Estimation, prioritization of test cases and coordinating all the testing activities.
- Design and execute automation tests for the happy paths using selenium.
- Identify, record and track bugs.
- Preparation of all the related test documentations including test plan, test case documents, bug reports and other test reports.
- Performed thorough regression testing after the bug fixes and verified them.
- Writing comprehensive bug descriptions, bug reproduction steps and performing root cause analysis.

Business Analyst



Profile

Name : M S Pabasara
ID : 10023857
Email : sandamallikaarachchi@gmail.com
Contact No : +94 77 893 8269

Responsibilities

As a Business Analyst I provided my guidance in improving processes, products, services and software through requirement gathering and data analysis.

Tools And technologies

- Draw.io
- Google forms
- JIRA

Documentations

1. Business Requirement Document
2. Use case Diagrams
3. User Stories

Contribution of the BA for the project

- Gathering all requirements by using various Requirement Elicitation techniques.
 - Conducting online interviews
 - Preparing Questionnaires
- Analyzing all the requirements together with PM
- Reviewing the user stories and make suggestions and improvements
- Creating a detailed business analysis, outlining problems and solutions for the business
- Defining Functional requirements, Nonfunctional requirements, Interface requirements, Software requirements and Hardware requirements
- Creating Business Requirement Document of the project.
- Create Entity Relationship Diagram, Use Case Diagram, Class Diagram, Sequence Diagram, State Transition Diagram and Data Flow Diagram.
- Give all the requirements to UI designer for creating the interfaces
- Providing guidance to the UI UX designer and continuous reviewing of the designed interfaces by comparing with the user requirements.
- Managing the risks and challenges arise while the project is going on
- Negotiate with the client wherever necessary.

Developer



Profile

Name : A.G.K Hewawasam
ID : 10022705
Email : gamithki@gmail.com
Contact No : 0778361088

Responsibilities

As a Developer I am responsible for the implementation of the user stories using best practices. Also fixing bugs, maintaining git repositories, and carrying out unit tests are important responsibilities of my role.

Tools and technologies

6. Jira
7. Google calendar – for meeting schedules
8. VS Code
9. Firebase
10. Vue JS
11. Git hub

Contribution of Developer

- Understand the given user stories and implementation of the Admin functionality.
- Leading the technical development.
- Firebase set up.
- Adding Firebase authentication.
- Proper git repo maintenance.
- Bug Fixing.
- Unit Testing
- End to end testing.



Software Developer

Profile

Name : N.P.SUDUSINGHE

ID : 10021950

Email : npsudusinghe@gmail.com

Contact No : 0774062085

Responsibility

As a developer I did implementation of stories (Coding), Use interfaces designed by UX/UI designer, fixing bugs in the system that mention by QA, develop the software using proper patterns, Proper usage of GIT while develop the software.

Tools and Technologies

- JIRA.
- Visual Studio Code.
- Vue as a frontend.
- Scss as a style.
- Firebase as a backend.
- GitHub.

My contribution to the project

- I developed pages such as Home, Help, about us, contact us, Product, Check out, add to cart and Login pages.
- Develop the system specification and associate code.
- Provide support to resolve programs.

UI UX ENGINEER



Profile

Name : J.H.M.K.R.Jayasundara
ID : 10021876
Email : kasunrandika.k@gmail.com
Contact No. : 0716276760

Responsibilities

Tools and technologies

1. Adobe XD
2. Adobe photoshop
3. Git hub
4. Jira

Report generated

- | | |
|--------------------------------|-------------------------------|
| 13. High level design document | 14. Low level design document |
| 15. User specification | |

Contribution of UI/UX designer

- Identify the requirements that gathered by the BA.
- Design prototypes according to the requirements
- Design UI sketches considering Schneiderman's eight golden rules.
- Prepare design specifications

Presentation Link:

[https://drive.google.com/file/d/1oIY2df5wmzfhnG5gmKEyPA06l0SorxWC/view?u
sp=sharing](https://drive.google.com/file/d/1oIY2df5wmzfhnG5gmKEyPA06l0SorxWC/view?usp=sharing)