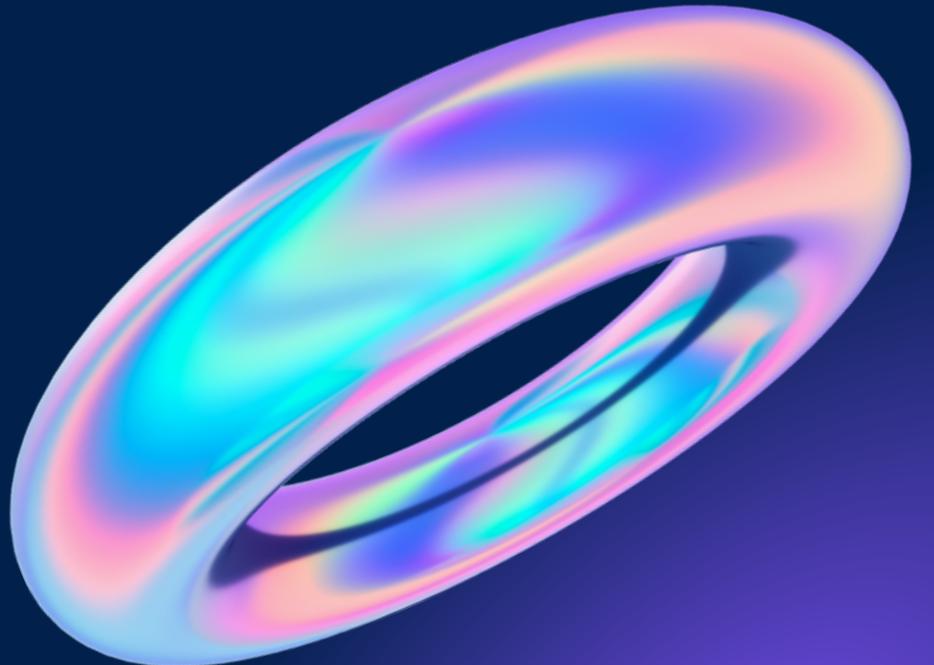




JobPortal

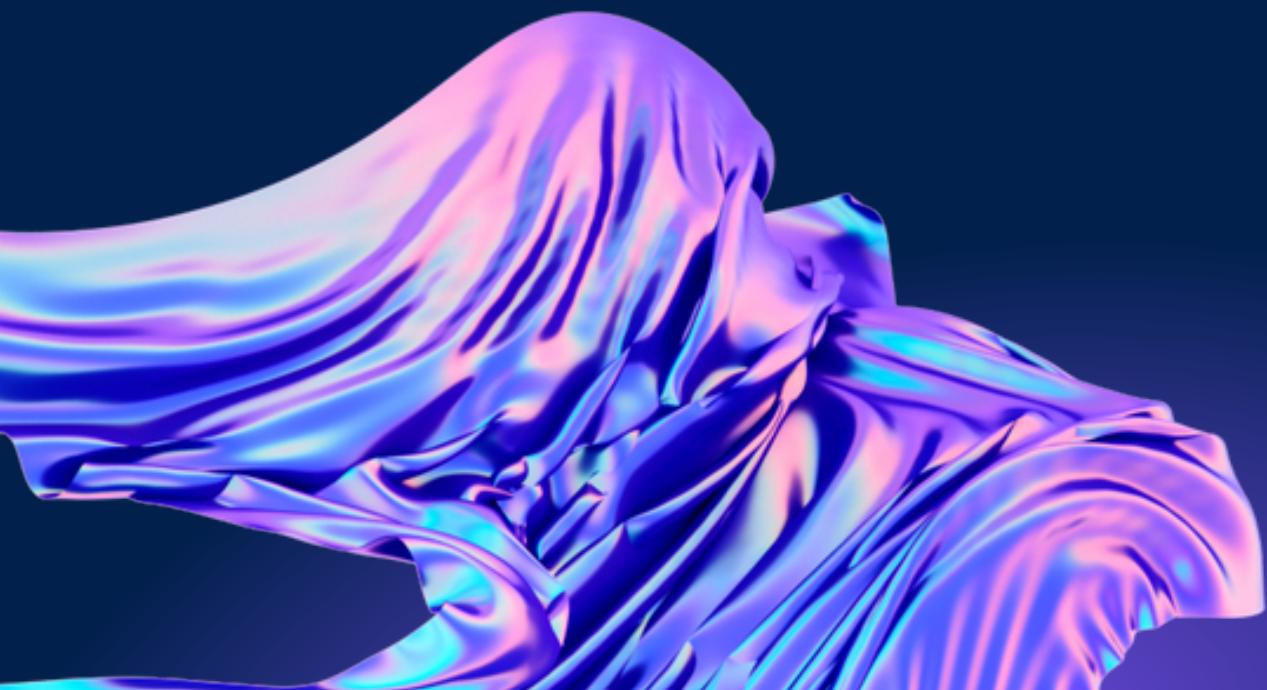
Job-seeking portal





About Us

“JobPortal”, will be able to give them free access to search for jobs, post resumes, and research companies, giving people an insight into new opportunities.



Roadmap

Aim

Creating a job seeking website based on the knowledge earned during this course.

Objectives

1. Designing
2. Researching
3. Implementing
4. Customer satisfaction

Q3

- Testing functions
- Apps interaction
- Product Handling
- Launch

The purpose of our project has been to develop a job-seeking portal named, "JobPortal".

The AIM is simply being able to give everyone free access to search for jobs, post resumes, and research companies, giving people an insight into new opportunities.

Introduction

This initiative is in charge of maintaining records for both employers and job seekers. Jobseeker and Employer are the two modules that make up the JobPortal webpage.

Employer-related functions are offered by the Employer Module. Businesses/Firms can publish job vacancy information and update it as needed.

User Requirements and Application Specifications

Requirements Elicitation & Analysis

Requirement Discovery:

we decide that conducting an interview with a few of our unemployed friends and family members as well as people in our circles who happen to be business owners, considering them as the stakeholders we will be questioning to elicit the answers we need in order to fill in an outline of needs and requirements of our webpage.

Prioritization:

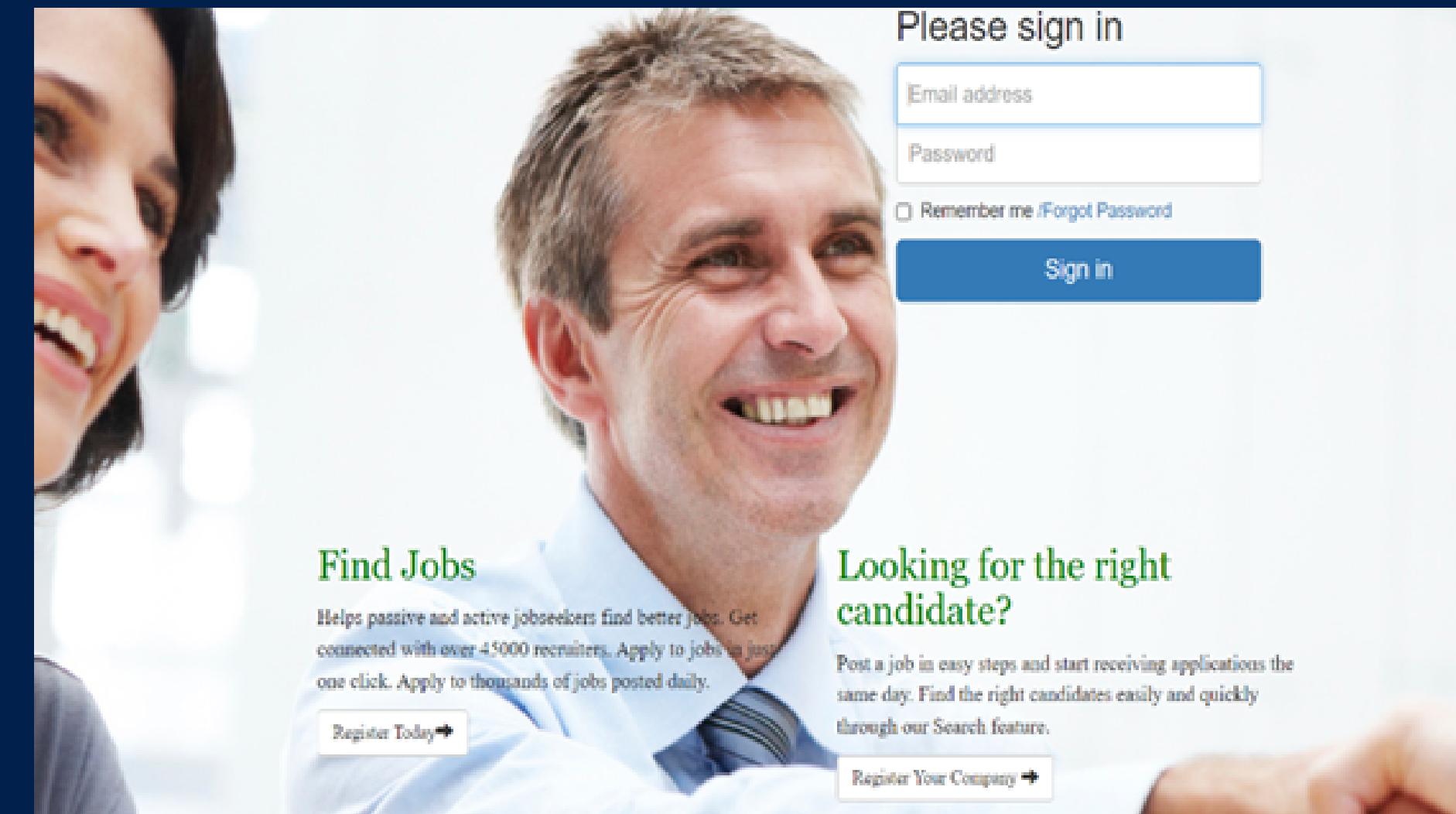
Login/Signin

Profiles

User Forms

Job Updates

Application Submition



User Requirements VS System Requirements

Log-in/Sign-in

Job Posting

Sending Application

**Creating Profiles of Employer
and Job Seeker**

Log-in/Sign-in

Job Posting

Sending Application

**Creating Profiles of Employer
and Job Seeker**

Register & find Jobs

Helps passive and active jobseekers find better jobs. Get connected with over 45000 recruiters.
Apply to jobs in just one click. Apply to thousands of jobs posted daily.

Your Login Details

Enter your Email ID:	<input type="text" value="Your E-mail"/>
Create new Password:	<input type="password" value="New Password"/>
Confirm the Password:	<input type="password" value="Confirm Password"/>

Your Contact Information

Mention your Full Name:	<input type="text" value="Your Name"/>
Where are you currently located?	<input type="text" value="Please wait.."/> <input type="text" value="Select State"/> <input type="text" value="Select City"/>
Enter your Mobile number:	<input type="text" value="Mobile number"/>

Your Current Employment Details

How much work experience do you have:	<input type="text" value="select"/>
What are your Key Skills:	<input type="text" value="skills"/>

Your Educational Qualifications

Your Basic Education:	<input type="text" value="Select"/>
Your Masters Education:	<input type="text" value="Select"/>

Please sign in

Email address

Password

Remember me /Forgot Password

Sign in

Register your company

Register today and post a job in easy steps and start receiving applications the same day. Find the right candidates easily and quickly through our Search feature.

Your Login details

E-mail:	<input type="text" value="Enter your email"/>
Password:	<input type="password" value="Enter your password"/>
Confirm Password:	<input type="password" value="Confirm your password"/>

Your Company Details

Company Name:	<input type="text" value="Enter Company Name"/>
Company Type:	<input type="radio"/> Company <input type="radio"/> Consultant
Industry:	<input type="text" value="Select an Industry"/>
Address:	<input type="text"/>
Pincode:	<input type="text" value="Enter the pincode"/>
Contact Person:	<input type="text" value="Enter Executive Name"/>
Contact Number:	<input type="text" value="Enter Contact Number"/>

Where are you currently located?	<input type="text" value="Please wait.."/> <input type="text" value="Select State"/> <input type="text" value="Select City"/>
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About Company:	<input type="text" value="Describe your company"/>
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Check for errors before submitting the form!

user_id	log_id	name	phone	location	experience	skills	basic_edu	master_edu	other_qual	dob	Resume	photo
7	14	Akshay V K	7894561231	India,West Bengal,Kalaikunda	5	construction , Tax	Not Pursuing Graduation	Not Pursuing Post Graduation	NULL	NULL NULL	Akshay V K7.jpg	
8	20	Sreelal C	8943202726	India,Kerala,Kozhikode	1	Experience in Php development , HTML , MYSQL, Ajax	B.Tech/B.E.	Not Pursuing Post Graduation	NULL	Sreelal C8.docx	Sreelal C8.JPG	
9	21	abc	1234567890	Iceland,Austurland,Bakkafjorur	1	sjndsn,mnkjlnnl jnn	B.A	CA	NULL	NULL NULL	NULL	
10	22	jishnu k s	9526919061	India,Kerala,Sulthan Bathery	9+	engineering at kmct	B.Tech/B.E.	MBA/PGDM	NULL	NULL NULL	NULL	

eid	log_id	ename	etype	industry	address	pincode	executive	phone	location	profile	logo
1	18	Infosys Pvt Ltd	Company	Software Services	Infosys, IT Zone, 4 - BE, Bangalore	458796	Ajith	9145512345	India,Karnataka,Bengaluru	Infosys is a global leader in consulting, technolo...	Infosys Pvt technolo... Ltd1.jpg
2	23	Microsoft	Company	Software Services	Microsoft, Bangalore, Karnataka	456987	Arun	78945612332	India,Karnataka,Bommasandra	NULL	NULL

jobid	eid	title	jobdesc	vacno	experience	basicpay	fnarea	location	industry	ugqual	pgqual	profile	postdate
2	1	Network Administrator	Consulting with clients to specify system require...	3 7	Rs75000	Network Administration	India,Karnataka,Bengaluru	Software Services	B.Tech/B.E. M.Tech	Patience, Technical skills. IT skills, Interper...			
3	1	Software Engineer	The focus of this position is the design and devel...	3 5	Rs 1000000	Network Virtualizing	India,Karnataka,Bengaluru	Software Services	B.Tech/B.E. M.Tech	Strong ability in JavaScript. Strong ability in d...			
4	2	Web Developer	Development of interactive websites at microfost	5 3	Rs 25000	Web Development	India,Kerala,Ernakulam	Software Services	B.Tech/B.E. Not Pursuing Post Graduation	Knowledge in ASP.NET, SQL server			

- **Functional Requirements**
- **Nonfunctional Requirements**
- **Domain Requirements**

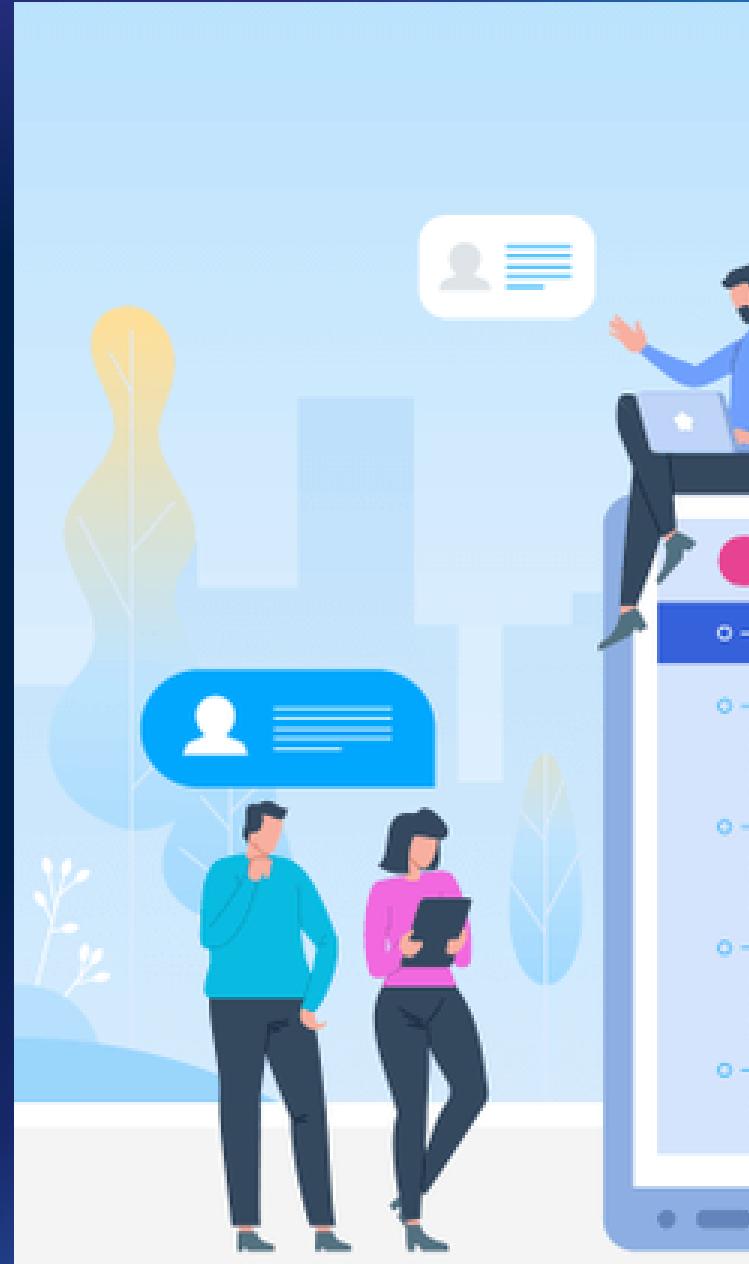


Requirements Validation

Requirements validation enabled us to identify mistakes at the beginning of the product development process, preventing them from requiring a great deal of additional work at product delivery time.

Some important guidelines that were followed are:

- 1-Validity(Does the system provide the functions which best support the customer's needs?)
- 2-Consistency(Are there any requirements conflicts?)
- 3-Completeness(Are all functions required by the customer included?)
- 4-Realism(Can the requirements be implemented given the available budget and technology?)
- 5) Verifiability(Can the requirements be checked?)



Requirements Review

From the name “review” we can easily understand that we are interested in capturing irregularities, incorrect patterns, inconsistencies and turning them into accurate information. In this way errors may be detected at an early stage.

There are two parties involved in this process:

- the internal party (employees, managers, board of directors)
- external party (service providers, contractors, consultants).

As system developers we **ALWAYS** communicate with each other regarding the needs and wants that must be fulfilled to create value for the user.



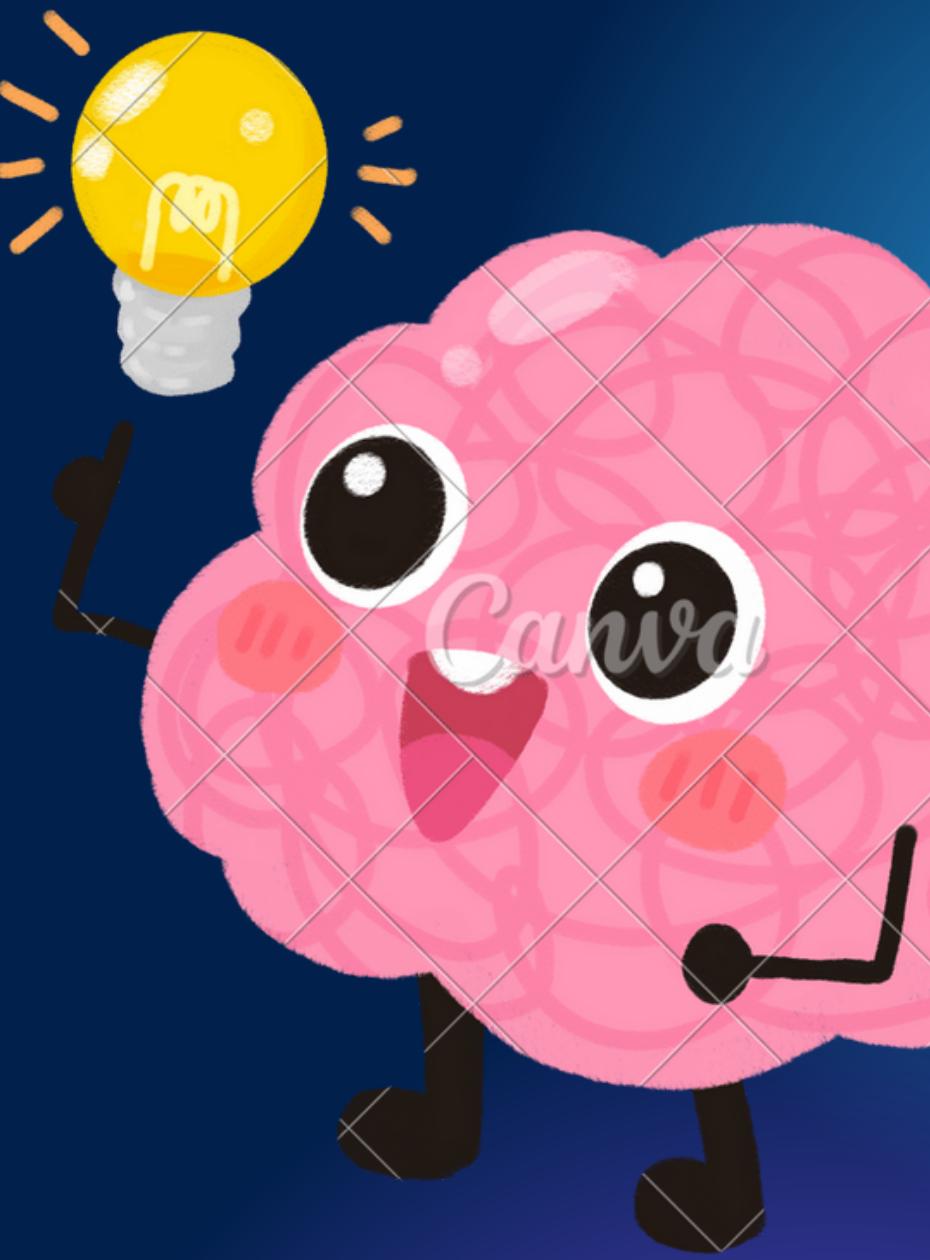
Methods we used in Requirements Review

1) Teamwork - Improved communication:

Working as a team is essential because in a large pool of talents you can gain insights, recommendations, instructions, and supervision. The ideal approach is to get in touch with the group or person who has more knowledge about requirement review.

2) Understanding the User's Requirement:

It is crucial to fully comprehend the user's requirements since they are constantly evolving. Hence, we try to learn more about our intended user's demands so we can deliver the best product. Feedback is important to obtain precise information to understand the requirements.



Methods USED in Requirements Review

3) Resolving Errors

Software issues are prone to recurrence. In the process of developing software, mistakes and flaws are inevitable. In this situation, we identified the identify solutions to meet the requirements and fully resolve the issues.

The requirement review not only satisfies user expectations but also general industry standards.



Review Checks

a) Verifiability

Verifiability is the ability to demonstrate whether all the specifications for a software system are established as quality requirements. To know if we are producing the desired results in the best way possible, it is crucial to evaluate the intermediate work products created during the software development lifecycle. We check to see if the output matches the inputs we are using. In our situation, we may say that users of the program we developed will likely find all they require there.

b) Comprehensibility

We must make sure that the interchange of information and its understandability are achieved when developing a model. We should always use the simplest logic possible to support our models so that they seem like a set of linked stages that show how one idea is connected to another.

Review Checks

c) Traceability

In the development lifecycle, traceability refers to the ability to locate work items. It is used to track the development of a lifecycle's progress and provide evidence of what has happened. Also, by linking two or more application development work items, traceability functions are used. The relationship shows how dependent things are on one another.

d) Adaptability

The project's development is critically dependent on the modification of the software system. This occurs because of the simultaneous shifts in consumer demands and the requirement to quickly adapt to new developments by sustaining existing systems. In order to attain efficiency, developers are always conducting research, watching the industry, and making notes about elements that need to be updated.



Requirements Change Management

We believe that software requirements must be adaptable enough to keep up with the ever-changing needs of business. To ensure that the software continues to fulfill the demands of the stakeholders, requirements change management enables updates to be made to the requirements in response to new business needs.

For example, when the customer registers on the website, he has problems saving data, it may happen that the website crashes and all his registered data is deleted. This forces us as the creator of this website to make some changes in the code but maintaining the other functions and not costing us much as an action. To achieve this, we have planned on how to manage this whole situation.





Requirements Change Management

IMPLEMENTATION – WHAT WAS DONE:

After we discover a problem that users have with our website, we immediately start building a plan to solve it and to calculate the costs we need for this problem.

The biggest go to as a Requirement Change Management is the customer FEEDBACK. As service providers, we will have a need to constantly ask for that.

With requirements change management, it is possible to modify the requirements in response to user feedback. This input can be utilized to enhance the user experience and make sure that the program is simple to use and satisfies the demands of the users.



Changing Requirements

We are aware of the additional add – Add-ons any software has when it comes to making it adaptable to the end user.

We are aware of the market demands and shifts in customer demand.

We struggled in:

1. Adding more database space for every user, based on their workload and website traffic, we used "SimilarWeb".
2. Adding 2 different windows for Employes and Jobseekers as per need.

Troubleshooting on the Manage Applicants form:

Requirements gathering might involve questions such as:

- What should happen after submitting the form?
 - Should the visitor be sent a message of confirmation?

Changing requirements - TIME - include bootstrap, as our webpage wasn't very responsive and we didn't have time to fully write on CSS codes.

3/4

we came
to the
conclusion
that...



we focused on these two:

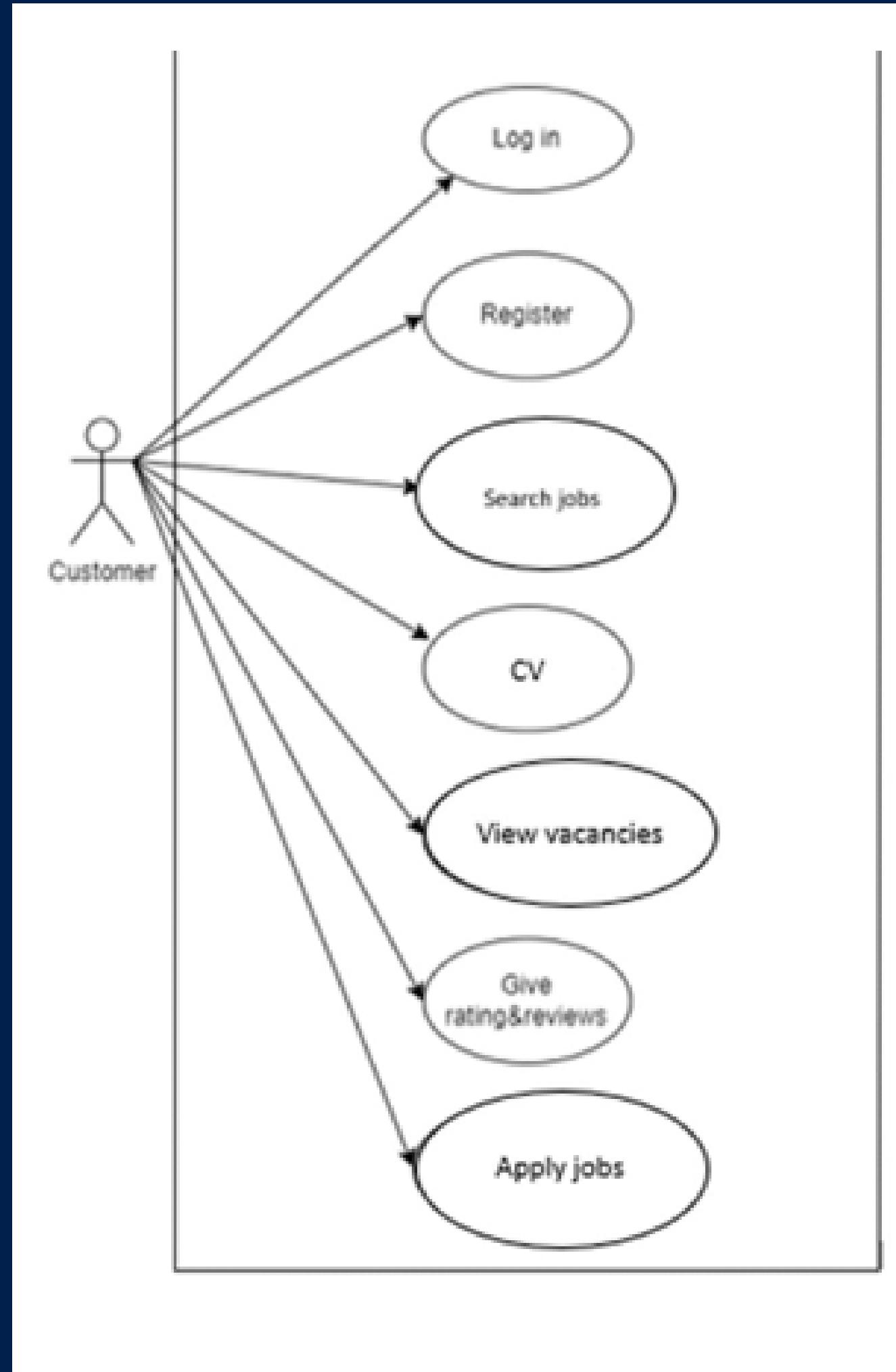
- Improved collaboration with the stakeholder
 - here, the company willing to use their services to different companies to retreat employees.

Usage of iteration in every step of the code conduction.

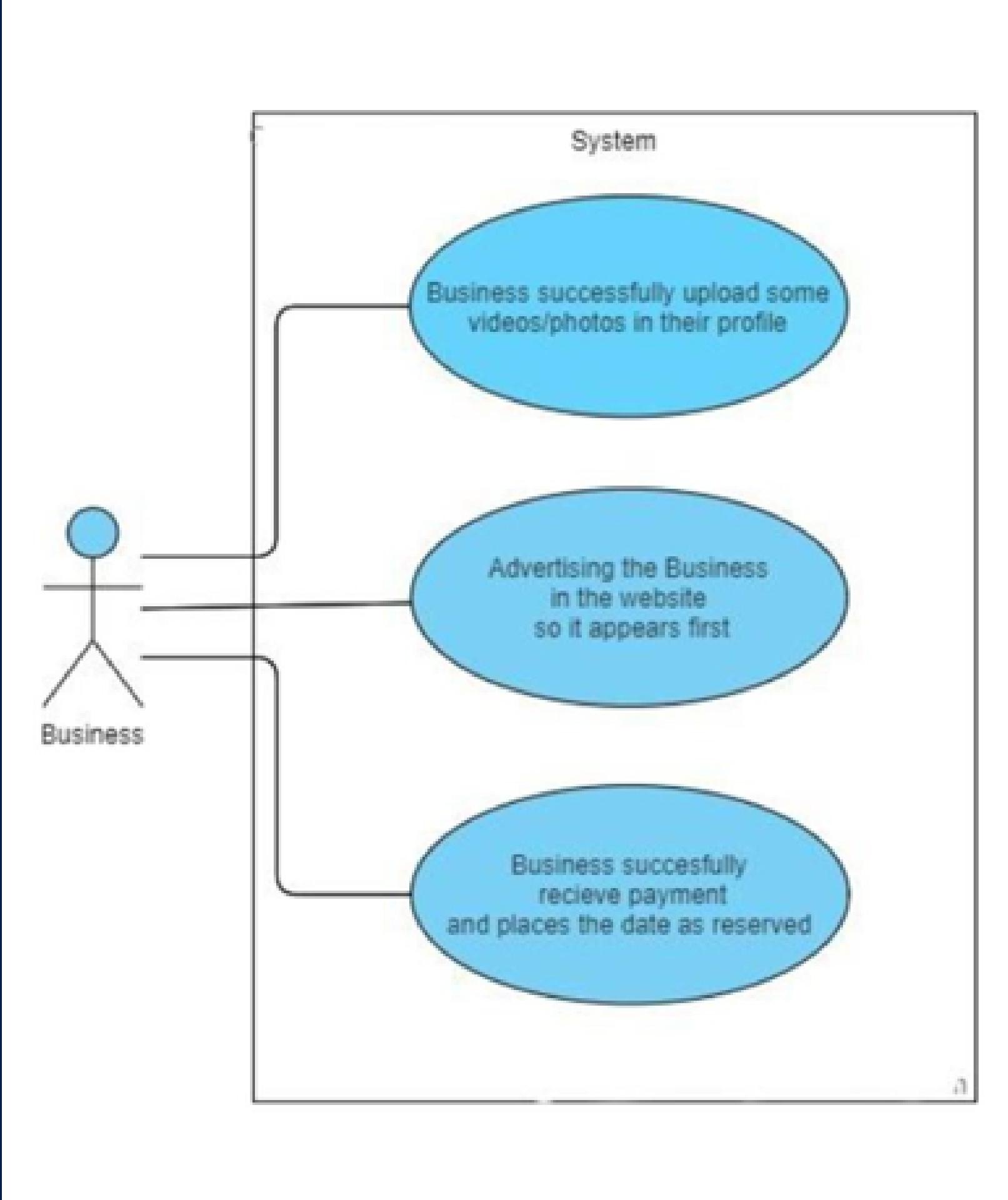


JOBSEEKER USER-SOFTWARE DESIGN

- a. Enters email and password.
- b. If the email and password are correct and match the database, they are redirected to the customer home page.



EMPLOYER DESIGN



- a. Admin enters his/her credentials.
- b. If credentials proven correct, admin is redirected to the Admin Dashboard.
- c. Otherwise, an error message pops up and the administrator is asked to re-enter accurately his/her credentials.

Software Evolution and Maintenance

Evolution is simply a continuation of the development process based on frequent system releases. It is the stage in a software system's life cycle where it is in operational use and is evolving as new requirements are proposed and implemented in the system.



Software Evolution and Maintenance



Software maintenance is to modify a program after it has been put into use. The term is mostly used for changing custom software. Generic software products are said to evolve to create new versions.

Advantage of software maintenance:

- Performance improvement.
- Fixes various bugs.
- Up to date with current trends.
- No need to spend extra bucks.

Software Evolution and Maintenance

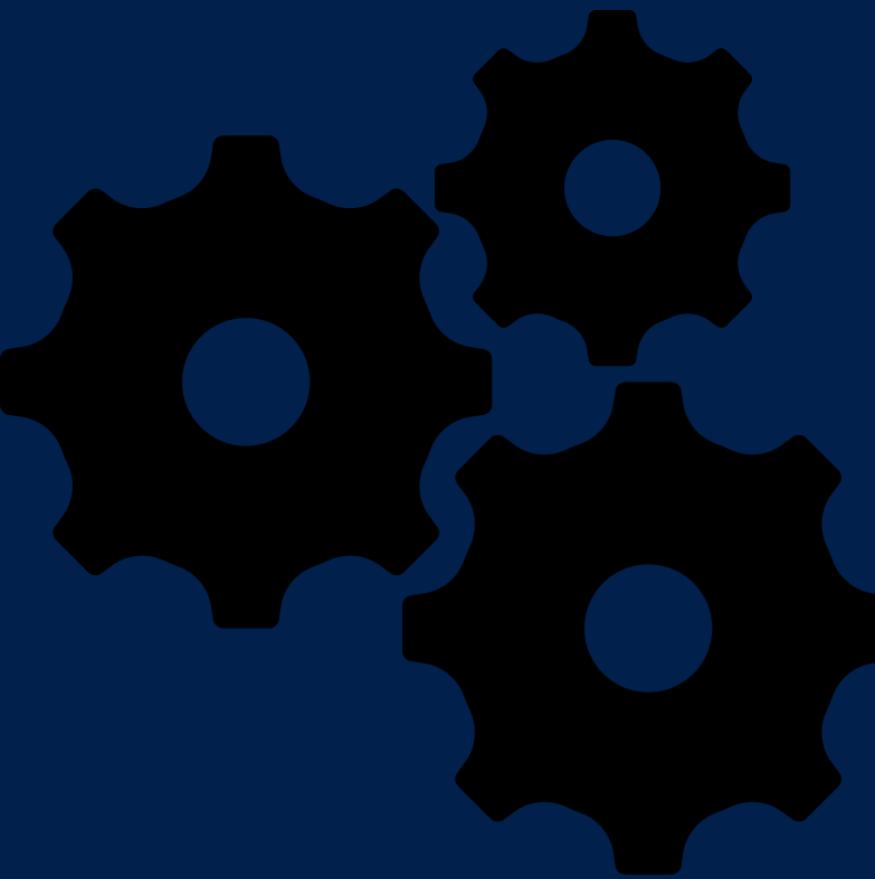
Type of maintenance WE WILL BE OFFERING TO OUR CUSTOMERS:

- Maintenance to repair software faults
 - Changing a system to correct deficiencies in the way meets its requirements.(When the customer needs to change something in the system, we can repair it because sometimes it is the software faults.)
- Maintenance to adapt software to a different operating environment
 - Changing a system so that it operates in a different environment (computer, OS, etc.) from its initial implementation.



Program Code Redundancies

Considered as unnecessary code or even inefficient ones. This code may be subject to confusion, inconsistencies, inaccuracies etc. This is why we managed to pay attention to them, in order to avoid any type of inconvenience. Some types of redundancies are:



- **Duplicated Code**

When our code appears to be duplicated regarding its functions, methods, attributes etc. We faced some kind of similar code so then everything was settled and ensured the efficiency in our program.

- **Long Methods**

There are situations when methods appear to be quite long when actually we should restructure them into shorter ones. In this way, we can enhance the readability for the development team. Hence, sharing code among each-other will be easier too.

- **Data Clumping**

It occurs when the same group of data items is implemented in several locations within the code. Consequently, we used the encapsulation approach to further develop our program. This was achieved by replacing snippets of code by objects.

Business Value Assessment

A Business Value Assessment (BVA) is a tool utilized by companies to identify areas in which they can reduce expenses while improving operations. A BVA may help with discovering inefficiencies and areas for improvement by thoroughly reviewing present-day business processes.

Main questions for BVA:

1. Is there a defined process model and is it followed?

The process model we have decided to use for the implementation of this system is an agile process.

2. Do different parts of the organization use different processes for the same function?

Yes, in our project development some part of the organization has used the waterfall model for development. It is the most traditional software development method. It is focused on distinct goals. Each phase of the project was 100% complete before the next phase could start.

3. What are the relationships with other business processes and are these necessary?

An organization's business processes are the set of specific actions or steps that are taken in order to complete a task or activity.

IT is the hardware and software that are used to collect, store, process, and distribute information.



4 .Is the process effectively supported by the legacy application software?

A legacy application software supports the process. The business value of a legacy system and the quality of the application were assessed, so that we could decide if a system should be replaced, transformed or maintained.



THANK
Canvas
you

