



Software Project Management

Project Charter

Assignment - 01

**Due
Date:**

Sep 19, 2023

By:

Zeeshan Ali 20i-2465

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Course Instructor: Mam Uzma Mahar

Project Charter

Problem Statement:

In today's digital era, user comes up with lack of accessible tools for responsive e-commerce websites that hampers aspiring entrepreneurs and small businesses from venturing into the online market.

Problem Solution:

We are providing a No-Code Ecommerce web-based solution where user uses the Drag & Drop UI builder for extensive customization to build website as a streamline solution of their needs.

Scope:

Project Scope Statement: No-Code E-commerce Web-Based Engine

Project Description:

The project aims to develop a no-code e-commerce web engine, allowing users to create responsive e-commerce web applications without the need for extensive coding knowledge. The system will provide a visual drag-and-drop UI builder, along with various modules and features for website setup, content management, workflow automation, customer interaction, analytics, and more. The goal is to offer a streamlined solution for aspiring entrepreneurs and small businesses to establish a strong online presence and manage their e-commerce operations efficiently.

In Scope:

1. Visual Drag-and-Drop UI Builder: Implement an intuitive visual UI builder to design web pages, including customizable layouts, fonts, colors, and styles.
2. Content Management Module: Enable users to add, edit, and organize product listings, along with a media library for images and multimedia content.
3. Workflow Automation: Allow users to create custom workflows for automating e-commerce processes such as order processing, inventory management, and customer communication.
4. Payment Gateway Integration: Integrate with various payment gateways to support secure online transactions, including credit cards, digital wallets, and alternative payment methods.
5. User and Admin Dashboards: Provide user and admin dashboards for monitoring site performance, tracking orders, managing content and comprehensive data analytics.
6. Analytics and Reporting: Offer detailed analytics and reporting capabilities for tracking website traffic, user behavior, sales performance, and inventory levels.
7. Shipping and Inventory Management: Integrate with shipping carriers for real-time shipping cost calculation, order tracking, inventory alerts, and reorder triggers.

Out of Scope:

1. **Upgrades to Other Systems:** Upgrades required other systems to enable compatibility with the new e-commerce websites are not within the scope of this project.
2. **Social Media Elements:** Features such as user-generated content, communities, or moderated forums on e-commerce websites are considered out of scope.
3. **Payment Mechanisms for Video Viewing:** Any payment mechanisms related to users paying to watch videos are not part of this project's scope.

Business Case:

Business Case: No-Code E-commerce Web-Based Engine

Executive Summary: This business case presents the rationale and advantages of creating a No-Code E-commerce Web-Based Engine. The proposed system aims to empower aspiring entrepreneurs and small businesses by offering an intuitive platform to build responsive e-commerce websites without requiring extensive coding knowledge. This project aligns with our commitment to innovation, accessibility, and supporting businesses in establishing a strong online presence.

Business Problem: Many entrepreneurs and small businesses face significant barriers when attempting to establish an online presence and manage e-commerce operations. The need for coding expertise often presents a considerable challenge. Simplifying the web development process is critical to addressing this issue.

Proposed Solution: The project focuses on developing a robust No-Code E-commerce Web-Based Engine. This engine will provide users with a visual drag-and-drop UI builder, content management capabilities, workflow automation, payment gateway integration, user and admin dashboards, analytics, and inventory management. It promises to revolutionize e-commerce website creation, enabling users to quickly and easily set up online stores.

Benefits:

1. **Accessibility:** The system will democratize web development, making it accessible to individuals and businesses without coding expertise.
2. **Efficiency:** Users can create e-commerce websites rapidly, reducing the time and effort required for online business setup.
3. **Affordability:** Eliminating the need for extensive coding resources lowers development costs for users.
4. **Competitiveness:** Offering a user-friendly, feature-rich platform can attract more customers and enhance our market position.

5. **Revenue Growth:** As more users adopt the platform, revenue from subscriptions and add-on services is expected to increase.

Costs: Costs will encompass development, quality assurance, infrastructure, ongoing maintenance, and customer support. It's essential to allocate resources to ensure the platform's stability and reliability.

ROI: The Return on Investment (ROI) is projected to be favorable. Revenue generated from user subscriptions and additional services, coupled with reduced development overhead, will lead to long-term profitability.

Conclusion: The development of a No-Code E-commerce Web-Based Engine represents a strategic move towards supporting our target audience—entrepreneurs and small businesses. By simplifying the web development process and offering a cost-effective solution, we position ourselves as industry leaders in promoting accessible e-commerce solutions. This project aligns with our values of innovation, customer empowerment, and sustainable growth, making it a promising venture for our organization.

Requirement Elicitation:

The initial requirements are provided from our stakeholder's.

- The Users must be able to register and authenticate securely to access and manage their e-commerce websites.
- The system will provide a user-friendly visual drag-and-drop UI builder that allows users to design web pages by adding and arranging elements and support customization.
- The system will enable users to add, edit, and organize product listings with details such as images, descriptions, prices, and inventory levels.
- The system will allow users to create custom workflows for automating e-commerce processes, including order processing, inventory management, and email notifications.
- The system should integrate with multiple payment gateways to enable secure and seamless online transactions.
- The system will provide user dashboards for website owners to monitor site performance, track orders, and manage content.
- The system must offer detailed analytics and reporting capabilities to track website traffic, user behavior, sales performance, and inventory levels.
- The system should integrate with shipping carriers to calculate real-time shipping costs and provide order tracking for customers.

Project Goals:

Our project is committed to developing a user-friendly, no-code web platform for e-commerce that aims to empower e-commerce. Our main goal is to enable everyone, even those without

coding experience, to easily set up their online stores using an easy-to-use drag-and-drop interface. Our goal is to offer deployable, accessible e-commerce solutions that will make it simple for average consumers to start their own online business. Our goal is to facilitate growth and prosperity for prospective online business owners by making the process of starting and succeeding in e-commerce as simple as possible. We want to build, test, and publish this platform within the next 8 months, giving thousands of people the tools they need to start their own internet businesses.

Constraints:

The following constraints comes ahead

- The project should be completed within the 8 months' timeframe.
- The project budget is limited and must be adhered to.
- The project must work within the MERN stack.
- The project scope will lies around No-Code builder and ecommerce store main features.

Assumptions:

These are the following Assumptions that we consider while implementing our project.

- We will be using the third-party API'S integration of payment gateways from the old secure payment system.
- All-important data such as product listings and inventory information, will be available in compatible CSV formats for easy integration.
- Customer will be provided by a business analyst to adopt the market conditions and planned future development.
- Users will be using the existing deployment serveries to host their websites.
- We will partner with Quest Lab to create the web-based solutions and payment gateways API'S.

Communication Plan:

What	To Whom	When	Who	How	Where	Comments
Project Kick-off Meeting Plan	Project team, Supervisor, Stakeholders	Before Project starts	Project Manager(Zeeshan), Team members	Video conferencing, In-person meeting	Supervisor Office, Video Conferencing Tool	
Progress Updates	Project team, Supervisor, Stakeholders	Weekly, after each milestone	Project Team	Video conferencing, Email, Trello	Gmail, WhatsApp, Meet In-person	

Issues and Risks	Risk management team(us), Supervisor, Stakeholders	As they arise	Project Manager(Zeeshan), Team members	In-person meetings	Supervisor Office, Library rooms	
Change Requests	Stakeholders	As they are requested	Project Manager(Zeeshan), Team members	Change Request Form, Email	Google Forms, Email	
Technical Updates	Technical Stakeholders	By-weekly	Dev Team (us)	Technical Documentation, Video conferencing	Meet In person.	
Customers Feedback	Users, Customers	After customer interactions	Project Manager (Zeeshan), QA Team (us)	Meetings, Email	Scheduled Client Meetings, Gmail	
User Interface Design Review	Supervisor, Project Manager (Zeeshan)	Monthly	UI/UX Designers, Developers	Virtual Meetings	Design Collaboration Tool	

Stakeholder Register:

Team Role	Team Member	Responsibility
Project Manager	Zeeshan Ali	Develop and manage project plan, allocate resources and task to team members, ensure project milestones are meet.
Developer	Ans Zeshan	Contribute to system development tasks, collaborate with team members to achieve task, adhere to project timelines and deliverable.
Tester	Tayyab Qaisar	Contribute to system development tasks, collaborate with team members to achieve task, adhere to project timelines and deliverable.
Supervisor	Dr Atif Jilani	Ensure the projects align with academic and development standards, offers expertise and advice in the field of web generation, monitor project progress and provide feedback.

Name	Position	Project Role	Internal/External	Contact
Dr. Zohaib	CEO	Project Sponsor	Internal	Zohaib.iqbal@nu.edu.pk
Dr. Atif Jilani	Senior Consultant	Supervisor	Internal	Atif.jilani@nu.edu.pk
Ans Zeshan	Developer	Team Member	Internal	Ans.zeshan@gmail.com
Zeeshan Ali	Business Analyst	Project Manger	Internal	Zeeshan.ali@gmail.com
Tayyab Qaisar	Senior QA	Tester	Internal	Tayyab.qaisar@gamil.com
Waqar Ahmed	PR Director	Advisor	External	Waqar.ahmad@gmail.com

Level of Authority:

The level of authority of project manager is high, as he is responsible of planning, execution, coordination, decision-making, resource management, risk management, quality control, project closure and changes of any module.

Project Deliverable:

Deliverable 1

Project Deliverable	Description
Description:	Create the Web Engine, Editor and Admin and User Dashboards
Acceptance Criteria:	UI of web engine with editor
Due Date:	October 2023

Deliverable 2

Project Deliverable	Description
Description:	Enable customization, create workflows, content and user accounts management
Acceptance Criteria:	Full working editor and workflows
Due Date:	December 2023

Deliverable 3

Project Deliverable	Description
Description:	Store, Product, Customer Profile Management along with Customer Interaction Module like Wish list, etc. and Alerts
Acceptance Criteria:	All management modules completed
Due Date:	February 2024

Deliverable 4

Project Deliverable	Description
Description:	Enable Shipping and Tracking, Delivery, then Payment Methods Integration, Analytics and Contact Us
Acceptance Criteria:	Payment and Deliveries completed
Due Date:	April 2024

Project Milestone:

Milestone	Responsible	Description	Status	Issues / Comments	Date
Project Proposal	Zeeshan Ali	To Document the Summarize Description of the project idea for the approval from the supervisor.	Completed	Minor Changes	Aug 18, 2023
Project Authorization	FYP Committee	The FYP Panel members decide either project idea and scope is justified or not for the approval.	Completed	Some suggestions	Sep 8, 2023
Project Poster	Ans Zeshan	Make a Poster of the project for the visual representation that demonstrates the working and architecture of the project to display in the Job Fair.	In Progress	Color and design specifications	Sep 28, 2023
SRS Document	Zeeshan Ali	In this phase we be making the detail document that follows the SRS Components that helps in implementation using the strategy as design to code.	In Progress	Throughway design	Sep 30, 2023
Web Engine & Editor	Zeeshan Ali & Tayyab Qaisar	In this phase, we implement the Web engine and the UI Builder for the customers to make their website and customize them	-	Figma design will used from the SRS Doc.	Oct 21, 2023
Admin & User Dashboards	Ans Zeshan	In this phase, we will creating the user & admin dashboard so that users can see or perform their activities.	-	-	Oct 21, 2023
Customization & Creating Workflows	Zeeshan Ali & Ans Zeshan	In this phase, we will be providing the extensive customization to build the websites and want to creates workflows of	-	-	Nov 08, 2023

		all the triggering events that user performs.			
E-commerce Store Operations	Ans Zeshan & Tayyab Qaisar	In this phase, we will be providing all the features of the ecommerce website so that the user just integrate these operations into their website.	-	-	Nov 21,2023
Order Delivery & Integration	Zeeshan Ali & Tayyab Qaisar	In this phase, we will be providing features about order delivery & tracking of their order products and at the end we will be integrating all the these in one repo.	-	-	Dec 20, 2023

Project Authorization:

The scope of our project and milestones are followed by project charter is approved by FYP Panel Members on Sep 13, 2023.



fypcommittee.isb@nu.edu.pk Sep 13, 2023, 2:51PM (6 days ago)
to me ▾



Dear Zeeshan Ali,

Please find below the score and comments received from the panel for your FYP F23-030-D-AutoWeb

Project Name: F23-030-D-AutoWeb

Decision: Approved

Comments: We authorize the project team to proceed with the defined scope of work as outlined in the Project Proposal. Any changes to the project scope must be formally approved by FYP Committee and hereby we authorize the initiation and execution of this project.

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- Best Regards,
FYP Committee
Department of Computing
FAST NUCES, Islamabad

Resources Requirement:

People:

- ✓ IT Manager
- ✓ Project Manager
- ✓ Business Analyst
- ✓ Developers
- ✓ Designers
- ✓ QA Team
- ✓ External Consultants
- ✓ Marketing Team
- ✓ Security Experts

Hardware & Software

- ✓ Servers
- ✓ Software
- ✓ Data Base
- ✓ Domain and Hosting
- ✓ Office Space Environment
- ✓ Documentation tools

Time:

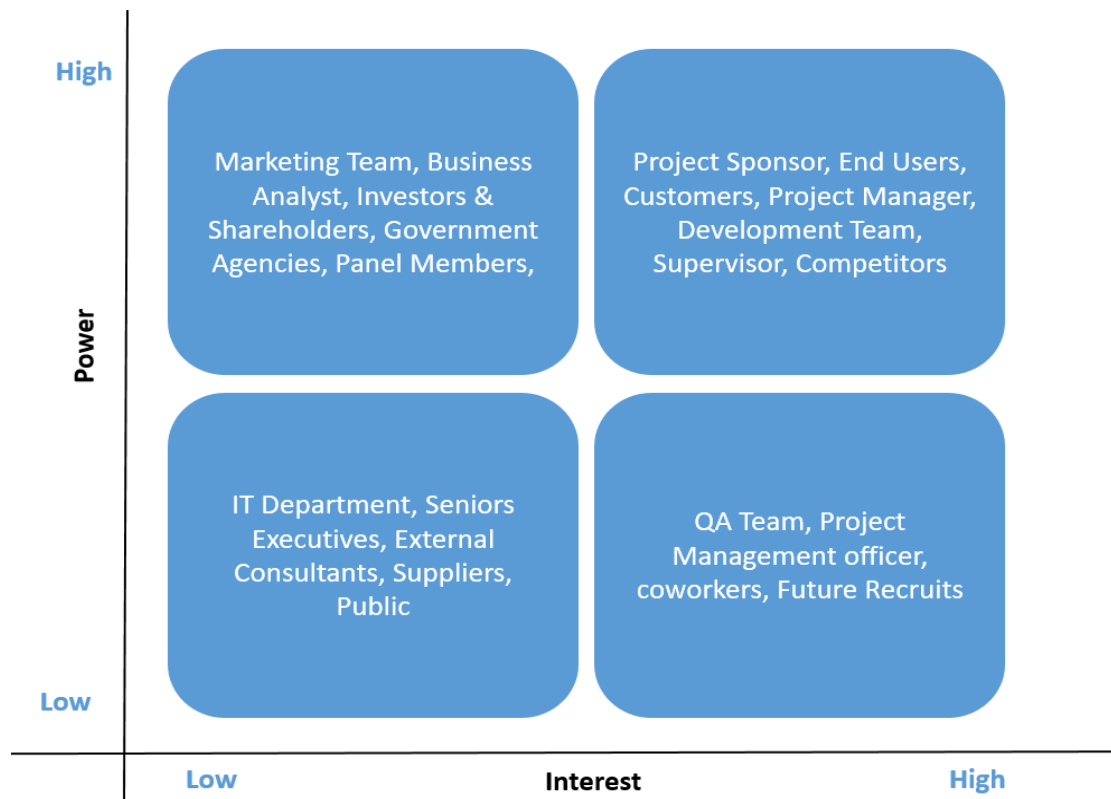
- ✓ The Initial estimation for the project implementation duration is approximately 9 months but now we are focusing to complete the project before the Job-Fair 2024, Softec 2024 & Daira 2024 events.

Stake Holders Identification

Identify stakeholders:

Project Sponsor, Project Manager, Development Team, End Users, Customers, Marketing Team, IT Department, External Consultants, QA Team, Business Analysts, Project Management Officer, Competitors, Investors and Shareholders, Suppliers, Government Agencies, Supervisor, Panel Members, Seniors Executives, coworkers, Future Recruits, Public.

Prioritize Stakeholders:



High Power & Low Interest:

These stakeholders' wants to meet there needs and want to increase engaging level according to their interest areas and have aim to move to right box.

Low Power & Low Interest:

These stakeholders' are inform with general requirements through mails, PR and websites and have aim to move to right box.

Low Power & High Interest:

These stakeholders' show consideration and they are involved in interests that have low risks and are potential supporter or goodwill ambassador.

High Power & High Interest:

They are the key stakeholders' that focus on the effort of the group, involved in the decision-making bodies, engage, and consult regularly.

Key Stakeholders:

The key stakeholders of our project are

Project Sponsor:

The individual or group providing financial support and overall guidance for the project. They hold ultimate authority and have a interest in the project's success.

End Users:

The individuals who will directly use the platform to create e-commerce websites. Their satisfaction and adoption of the platform are critical to its success.

Customers:

Customers of the e-commerce websites created with your platform. Their experience and satisfaction directly affect the success of the websites and, in turn, the platform.

Project Manager:

Responsible for the day-to-day management of the project, ensuring it stays on track, within budget, and meets objectives. The project manager plays a pivotal role in project execution.

Development Team:

Developers, designers, and testers are essential for building and maintaining the platform. Their expertise and commitment directly influence project success.

Supervisor:

The senior executive that provide a path to complete the project, and responsible to monitor and keep track of our progress.

Competitors:

Monitoring competitors is valuable for strategic planning but may not directly influence project execution.