

KU Chiefs Fans Website

Contents

Make-Or-Buy Analysis 2

 Overview 2

SOW 3

 Introduction 3

 Requirements 3

 List of Deliverables 4

 List of Milestones 5

 Appendix: Roles and Responsibilities 6

Request for Proposal (RFP) 7

 Project Overview 7

 Contact INFormation 7

 Technical Requirements 7

 Managerial Requirements 8

 Suppliers Section 8

MAKE-OR-BUY ANALYSIS

OVERVIEW

A shopping cart will be added to the retail shop on the KU Chiefs Supporters Website, which will offer stuff that is relevant to this football team and of interest to fans. Using the online shopping cart, they will be able to browse the goods and get additional information about each product. Each product will have its own section, complete with a clear title and various photographs. It will include a description of the product, as well as various reviews made by previous customers, in addition to the product pricing.

Make or buy analysis technique will be used to identify if the shopping cart feature can be accomplished by the project team or should just be purchased from external sources.

Factors to consider	Make it or service in house		Buy it or service it from a supplier	
	Pros	Cons	Pros	Cons
Buying cost Concerns.				-1
Reverse Engineering Opportunity.	1			
Lack of Expertise.		-1		
Availability of reliable Suppliers.			1	
Need to buy Skills & Services.		-1		
Not having enough time.		-1	1	
Insufficient Manufacturing Capacity.		-1		
Pre-tested Integration			1	
The feature need to work seamlessly with all the other software in our stack.	1			
It could be susceptible to scope creep, going over budget, and past deadline.		-1		
Lack of development skills		-1		
Weak security team		-1		

TOTAL	-5	2
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All factors have the same effecting weight, by calculation the total of Pros and Cons for each option, we find that it is better to buy the feature from a supplier.

SOW

INTRODUCTION

The shopping cart feature is the software that enables a retailer to display products online, manage their online store, and sell to customers. In KU Chiefs Fans Website, a shopping cart will be added to the merchandise shop which will include merchandise that is relevant to this football team and is of interest to fans. They will be able to browse the goods and access more information about each product using the online shopping cart. Each product will have its own section with a clear title and multiple images of the item. In addition to the product pricing, it will include a description of the product and several reviews submitted by prior consumers. The user will be able to add the item to their Shopping Cart List before completing the purchase and payment.

REQUIREMENTS

1. Product title
The product title should be shown at the top of the description, so the users can quickly check that the contents are correct.
2. Price
The price should be shown in US dollar and displayed at the right of the product description.
3. Show product images
Images should be displayed under the product description; the user should be able to scroll so see more photos.
4. Quantity
The number of items should be displayed under the product description, and the user should be able to increment and decrement the number by clicking on + or – symbols next to the quantity number.
5. Size
The available sizes of the product should be displayed next to the quantity, so the user can be able to select the needed size.
6. Reviews
The user should be able to view the reviews on the product and scroll down to see more.
7. Delivery and returns information
The delivery and returns information should be displayed at the bottom of the product section.
8. Edit
In the shopping cart list, the user should be able to edit the quantity of each product items, and can delete any product from the list.

9. Help options
In every section, a help option should be accessible to display instruction of using the section.
10. Checking out
In the shopping cart list, a checking out icons should be accessible, it will view the different payment options with the different cards and alternative payment methods.

LIST OF DELIVERABLES

1. Software requirement specifications
This provides detailed descriptions of the software to be created. It includes an overview of the purpose, as well as thorough requirement specifications, functional requirements and use cases, and tested non-functional requirements.
2. Design and architecture
This is a technical document that describes the components and standards necessary to support the solution and ensure that the design's specific business and technical requirements are met. It outlines the design requirements and the precise decisions made to meet those requirements. When making design decisions, the architect can use the paper to display his work. The conceptual, logical, and physical designs are all included in the architecture design document.
3. Source code files
All the elements necessary for adding this feature to the website, and execute it. that contains all files written by developers or generated by the IDE, Third-party libraries and referencing files for these libraries, test code, and data files.
4. Test plan and standards
Thorough document outlining the test strategy, objectives, timeframe, estimation, deliverables, and resources needed to test a software product
5. Quality assurance plan
This consists of those procedures, techniques and tools used to ensure that a product meets the requirements specified in software requirements specification.
6. Help and maintenance polices
A document containing details of the availability and cost of future maintenance requests and details of an any activity includes optimization, error correction, deletion of discarded features and enhancement of existing features.
7. End-User guides
It is a documentation content created to help end-users understand how to use a product and troubleshoot common issues. End-users refer to customers or users of a product.
8. The final reports
This consists of a description of the project approval process, as well as the business case for carrying out the project., a summary of the project implementation, including whether the project attained its objectives. Details on the project's budget and timeline performance, as well as a list of factors that influenced the project's outcomes.

LIST OF MILESTONES

Milestone	Milestone description	Starting date	End date	Tasks
Project requirement review.	going over the plan and consider the project scope.	4/15/2022	4/20/2022	<ol style="list-style-type: none"> 1. Define the total duration. 2. Define the budget plan. 3. Discussing the project plan. 4. Project plan developing.
Feature approval	Getting a green light from the manager and stakeholders to start working.	4/20/2022	4/25/2022	<ol style="list-style-type: none"> 1. Analyze influence. 2. Analyze of business needs. 3. Pre-align with stakeholders. 4. Signing the document in case of approval.
Planning	Making a plan includes all critical details, from key goals to schedules.	4/26/2022	5/11/2022	<ol style="list-style-type: none"> 1. Construction budget approval. 2. Risk alignment. 3. Construction plan draft. 4. Construction phase
Design approval	Involving the stakeholders to describe what is being done.	5/12/2022	5/15/2022	<ol style="list-style-type: none"> 1. Concept generation. 2. Competitors site overview. 3. Preliminary design. 4. Production design in case of approval.
Testing plan approval	Checking all testing steps, evaluate it, and signing the document.	5/16/2022	5/25/2022	<ol style="list-style-type: none"> 1. Design test strategy. 2. Establish test criteria. 3. Planning resource allocation. 4. Determine test schedule. 5. Test plan draft. 6. Test plan development in case of approval.
Defect fixing	Adjustments or repair possible defects.	5/26/2022	6/3/2022	<ol style="list-style-type: none"> 1. Defined bugs. 2. Prioritization. 3. Defects fixing. 4. Progressive testing.
Final approval	Present the project to the key stakeholders to get approved.	6/4/2022	6/6/2022	<ol style="list-style-type: none"> 1. Checking project documentation. 2. Final financial estimation.

				3. Meeting setup. 4. Project improvement.
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APPENDIX: ROLES AND RESPONSIBILITIES

Name	Role	Responsibility
Kiran Bisarya	Lead Designer	Leads the design of the prototype in Adobe XD and receives feedback from team members throughout the process. Will add new features to the website every week based on team discussions. Ensures that the design of the website matches the project requirements. Ensures that the components of the website will be able to be implemented by the developers in the required timeline.
Reem Ezeddin	QA Checker	Responsible for testing the proficiency of the product in all aspects by evaluating them using testing techniques. Create a test strategy based on project requirements and schedules. Executing tests with appropriate techniques, Conducting different test techniques and report issues and follow-up on the status of the issues.
Frank Overton		Works on sharing with the stakeholders and finding out the requirements. Will work on incorporating new features when the requirements from the stakeholder decide that they want more. Will work closely with the project sponsor.
Frank Overton	Project Manager	Sets the direction of the project. Identifies the project deliverables and develops the project plan. Determines the project scope, budget, and schedule. Identifies the risks and develops a risk management plan. In charge of all documentation of project requirements. Resolves conflict between team members or regarding project requirements. Communicates with the end users of the website. Communicates project status with the stakeholders and project sponsor.
Clark Hunt	Project Sponsor	Provides high-level support for the project. Approves the project scope and requirement. Provides any resources needed to complete the project. Keeps up to date with major project activities and accomplishments. Assists in resolving major project conflicts or roadblocks.

REQUEST FOR PROPOSAL (RFP)

PROJECT OVERVIEW

This website is created by KU Chiefs Fans who would like to provide a platform for other Chiefs fans to celebrate the team and create a sense of community between the fans. The website will include a merchandise store, a live game feed, a statistics page, a ticket booking page, and the latest news stories about the Kansas City Chiefs. Most other Chiefs websites include bits and pieces of these features, but KU Chiefs Fan is meant to be an effective culmination of all of them. This will allow all Chiefs Fans to visit and communicate on a single website, which includes everything they could need as a Chiefs Fan. The project also includes collaboration with Chiefs Representatives to ensure all the information is accurate and up to date.

CONTACT INFORMATION

Name	Contact Info
Kiran Bisarya	kiran.bisarya@outlook.com
Franklin Overton	franklinoverton@ku.edu
Reem Ezeddin	Reem-ez@ku.edu

TECHNICAL REQUIREMENTS

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MANAGERIAL REQUIREMENTS

1. Customer Service Representative
If a customer is having trouble purchasing and item, there should be an option to chat with a customer serve representative.
2. Email Newsletters
Customers should be able to subscribe to email newsletters that contain deals and coupons for merchandise items. There should be an employee responsible for this type of website marketing.
3. Maintenance and Updates
There should be an employee responsible for updating the merchandise page for items that have been sold out, so that the customer does not try to purchase an item that is no longer available. The employee should also add new items to the website to draw the customer's interaction towards those newer items.
4. Security
The customers' payment information should be handled securely using encryption or other security techniques.

SUPPLIERS SECTION

Please include the following items in your proposal:

1. Company Background
2. Company Leadership and day-to-day operations
3. Current Financial Status
 - a. Billing and Reconciliation Process
 - b. Account Management Procedures
4. Number of currently installed systems or components
5. Initial ideas that demonstrate how you can address the problem
6. Names of Customers who can provide references