Stamford University Bangladesh

Online Rickshaw Booking Management System

Course Title: Software Engineering sessional

Course Code: CSI 332

Primary Proposal & Feasibility Analysis

Group Name: Family Matters

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Introduction:

Online Rickshaw management system gives the opportunity to the general users/visitors to book a rickshaw immediately for anytime in anywhere. By using this web application, users will be able to hire rickshaw for going from staring place to destination place at their fixed time and date. For hire a rickshaw, users confirm their personal information such as name; email number and mobile number for confirmation . If any user thinks about to go anywhere by using rickshaw, they can get whole features in web application.

Online Rickshaw Management system is aimed at reducing paper for the rickshaw industry and hence improving its efficiency and speeding up of all processes.

Motivation for this Project:

This project is dedicated to:

- Model the existing Rickshaw Reservation system.
- provide comprehensive set of features to enhance to operational limits. Evaluate their performance in different scenarios.
- Suggest modifications for greater efficiency.

The project is suggested by Travel Agent. The project taken for the purpose that there is lot of problem related to rickshaw route. Timing booking rickshaw, trip details, rickshaw details, rickshaw driver details ,More importantly to know the running time of a particular rickshaw and we want to manipulate and stores these information successfully.

Project Goals:

The main purpose of this study is to automate the manual procedures of online rickshaw for any journey made through a transport company. This system is said to be an automatic system and customers can select rickshaw by themselves. Specifically, objectives of this project will consist of :-

(i)Providing a web-based rickshaw function where a customer can book rickshaw through the online system without a need to queue up at the road to hire a rickshaw .

(ii) Enabling customers to check the availability of rickshaws though online. Customers can easily reserve rickshaw when needed.
(iii) Ability of customers to cancel their reservation.
(iv) Admin user privileges in updating and canceling payment, route and vehicle records.

Project Feasibility:

- Programming Language: PHP, HTML, JavaScript .
- Style: CSS
- IDE: Bracket, Notepad++
- Database: MySQL
- Operating System: Windows/Linux

Implementing this project idea is supportive and can improve the design, performance and greater usability. The task of performance evaluation of different database design, for efficiency is in the spirit usability. The task of performance evaluation of different database design, for efficiency is in the spirit.

1. System Feasibility:

The assessment is based on an outline design of system requirements ,to determine whether the company has the technical expertise to handle completion of the project. When writing a feasibility report, the following should be taken to consideration.

- A brief description of the business to assess more possible factors which could affect the study.
- The part of the business being examined.
- The human and economic factor.
- The possible solutions to the problems.

2.Operational Feasibility

Operational feasibility is a measure of how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirement identifies in the requirements analysis phase of system development . The operational feasibility assessment focuses on the degree to which the proposed development projects fits in with the existing business environment and objectives with regard to development schedule , corporate culture, and existing business processes.

3.Economic Feasibility:

The purpose of the economic feasibility assessment to determine the positive economic benefits to the organization that the proposed system will provide. It includes quantification and identification of all the benefits expected. This assessment typically involves a cost/ benefits analysis.

4.Technical Feasibility:

The technical assessment is focused on gaining an understanding of the present technical resources of the organization and their applicability to the expected needs of

the proposed system. It is an evaluation of the hardware and software and how it meets the need of the proposed system.

Cost Benefit Analysis:

- **Client Sided Cost:**

❖ Internet bill will be fixed but electricity bill will vary from month to month as per usage.
❖ Repair cost may be added if any hardware or equipment is not functional or damaged
❖ Various costs may appear during the project.

- **Client Sided Benefit:**

❖ Web based interface to communicate with the users easily and efficiently.
❖ Customer will easily booking a rickshaw in emergency.
❖ Customer satisfaction can be achieved very professionally.

- **Developer Sided Cost:**

❖ Programmer given enough time.
❖ Internet bill and electricity bill will be provided.

- **Developer Sided Benefit::**

❖ As developers this project will be a new experience for us.
❖ Solving a real life problem will boost us in the upcoming projects.
❖ Payment from the client is the main benefit of this project.

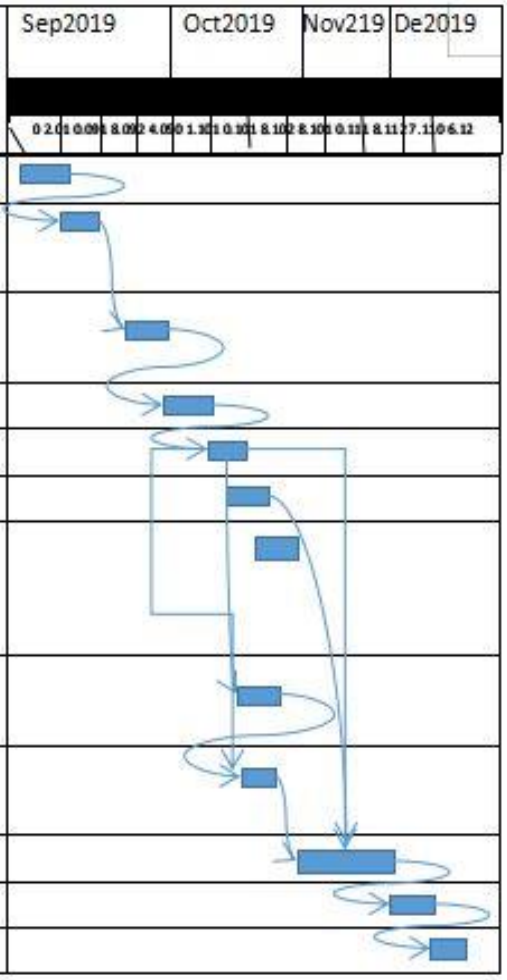
Project Scheduling:

Activity	Description	Precedence	Time(IN week/s)
Analysis			
1	.Job Specification	None	1
2.	Research on market	1	1
3.	Requirement Gathering	2	1
4.	Project initiation	1,2	1

planning			
5.	System Design	4	1
6.	Database Design	5	1
7	Mock-up database implementation	6	1
Construction			
8.	User interface designing	5	1
9.	Admin panel Designing	5	1
10	Coding	5,6	1
Deployment			
11.	System testing	8,9,10	2
12.	Launch	11	1

project Scheduling (Gantt chart):

Task name	Start	Finish	Duration
Job Specification	01.09.19	07.09.19	1W
Research on market	08.09.19	14.09.19	1W
Requirement Gathering	15.09.19	21.09.19	1W
Project initiation	22.09.19	28.9.19	1W
System Design	29.09.19	05.10.19	1W
Database Design	06.10.19	12.10.19	1W
Mock-up database implementation	13.10.19	19.10.19	1W
User interface designing	06.10.19	12.10.19	1W
Admin panel Designing	13.10.19	19.10.19	1W
Coding	20.10.19	18.11.19	4W
System testing	19.11.19	26.11.19	1W
Launch	27.11.19	01.12.19	1W



Risk Analysis:

- Extra database must be initialized for back up.
- Whole project process will be kept in cloud (Dropbox).
- Security of the database & registration process will be top priority.
- Timing is very valuable for this project. 12 weeks will be tightly scheduled to perform the task successfully before the deadline.
- Some extra hardware's would be necessary in case of emergency.

Conclusion:

Online Rickshaw Management system comprises of an online rickshaw booking software which is designed with the main intention of generating and automated system for hire a rickshaw easily. With the help of an online booking system which would be easy to use. And online Rickshaw Management system for our website would help in an easy management of reservation, rickshaw availability and data of

the client who are using your online rickshaw reservation service. The customized features that a travel management company can add to a rickshaw reservation system includes route scheduling , display the data regards to availability of the rickshaw and the option for the travelers to select a rickshaw from the website. So,. We hope to work forward efficiently in this project.