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Introduction

I want to build a system that will ease the effort of organizing a big size corporate or private event. Nowadays the event management industry is one of the most growing industries across the world. People spend a lot of money and put a lot of effort to make their events successful. In such a scenario, I want to build an end to end solution for this. Currently, existing websites are mostly informative and don't provide the whole solution. Throughout my research, I tried to solve many existing problems of event management by including some features in my solution. Some of them are auto-generated QR code verification service for guests in an event, decoration equipment rental service not only purchase, Also the staff payroll, accounts, and stock management service for the admin of the system. All of these mentioned features will solve some genuine problems that people might face while organizing an event or run an event management firm.

Aims and objectives

The aim is to bring the automation in event management industry by providing the complete solution to reduce the effort of people and introduce an efficient way of organizing a big or small size event to both user and owner of an event management company. (Jennifer Bridges, 2019)

To achieve this aim defined objectives are:

1. Research similar existing system to identify the gaps.
2. Research and analyze the key development facts of the proposed system
3. Create a usable interactive design of the product.
4. Development of the product.
5. Testing and evaluation of the product. (Solent online learning, 2019)

Objective	Method	Deliverable	Duration
Research similar existing system to identify the gaps.	Surveys, Questionnaire	• Feasibility study • Problem research report	13 days
Research and analyze the key development facts of the proposed system	Brain storming, Direct observation	• Analyzing the functional & non-functional requirements • Define system scope and boundaries. • Defining use cases • System architecture • Detailed class diagram	17 days
Create a usable interactive design of the product.	Heuristic evaluation, Task analysis	• Sketches • Wireframes	10 days
Development of the product.	Agile software development	• Database • Codes • Scripts • Html & CSS files	41 days

Testing and evaluation of the product.	Agile testing, White box testing	• Testing plan • Test scenarios • Test cases • Testing report	13 days

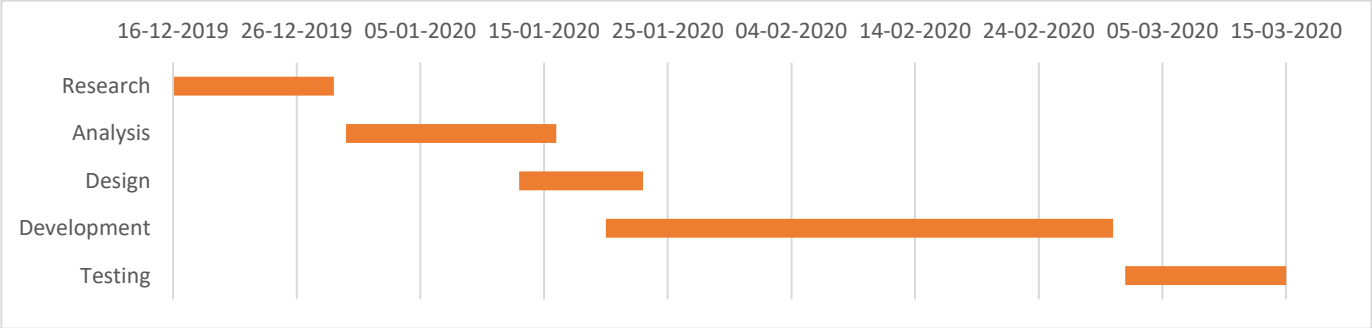
(Research methods, 2019) (Software testing fundamentals, n.d.) (Tech Republic, n.d.)

Research approach

In order to achieve the specific aim, I have defined some objective accordingly. For the research I have to follow survey and questionnaire technique which will provide a feasibility study report & more detail of existing problems. For the development analysis objective, I have to use brain-storming and observation technique in order to find out the key requirements of the project and create other essential diagrams. To create usable interactive design, I have used Heuristic evaluation and task analysis technique which fits best for a single project. Sketches and wireframes are the outcome of this objective. For the development process I will be using Agile methodology which is considered most efficient development methodology currently. The deliverables will be Databases, scripts, codes and other files. For testing and evaluation, I will follow Agile testing and white box testing method. There is no scope for black box testing as the developer himself will run the test so I chose these two techniques. The deliverables will be test plan, scenario, test cases and test reports etc. There is a duration set for each of the defined objectives. This time is given based on assumptions. Fluctuation is expected in any irregular situation. (Toggl, 2019)

Planning

Gantt chart:



Legal, social, ethical and professional issues and considerations

It is essential to consider legal, social, professional and ethical issues before starting the development of any system. Some of the important facts under these sections are Data protection, Taxation, public safety, children protection, providing incorrect information, lack of user privacy, consumer and merchant protection against fraud etc. There are much more facts but in order to develop any project we must avoid any circumstances which can cause any of the above.

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