

StarContests.com

If it's not here it's not happening.

Project Plan v1.1

Team 8

Instructor - Prof. Asim Banerjee

GROUP MEMBERS

Serial No.	Name	ID
1.	HARDIK BELADIYA	201201064
2.	ARCHIT GAJJAR	201201066
3.	SOHAM DARJI	201201070
4.	KRUPAL BAROT	201201074
5.	DHAVAL CHAUDHARY	201201075
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1. DOCUMENT CONTROL

➤ Document description

This document intends to provide a proper outline about the project plan, it's various phases and tasks assigned.

➤ Document convention

- The following conventions would be used throughout the document,

1. Headings - Intense, 18, Bold Blue
2. Subheadings - Intense, 14
3. Body - Calibri, 12

➤ **Review history**

Original Version	Current Version	Review Date
1.0	1.1	17 February, 2015

Document	Created By	Reviewed By
Project Plan	Prachi, Yash, Soham	Dhaval

2. SCHEDULE AND MILESTONE DETERMINATION➤ **Phase Description**

- Pre-development phase:

This phase included coming up with an idea for the project and making the proposal report and the feasibility report for the same.

- Requirement analysis phase:

The team will perform an analysis to understand the exact requirements of the customer and document these requirements systematically for StarContests.com. The outputs at the end of the phase will be,

- Systems Requirements Specifications (SRS) document
- User Manual
- System Test Plan
- Requirements Traceability Matrix

All the relevant data will be collected using Interview, Discussions and Questionnaires. Ambiguities and contradictions thus arising will be identified and resolved. The team will make sure that the SRS thus generated addresses the functional requirements,

performance requirements, formats of the inputs and outputs and the design constraints, so that it establishes the basis for agreement between the client and the team on what the software product will do and that it acts as a reference point for the final product. The survey will be such that we get inputs from varied demographics. The team will also refer to the existing applications about contests/tournaments and how to evolve with the features that exist. Team members will develop the skills required to implement the project idea and the members will share each other's skills and learn from teammates.

- Design Phase :

The team will try to transform system requirements into a structure that is the most suitable and properly designed. The output of this phase will be the design document similar to the blueprint or plan for the solution. The team will identify the different modules required for the design and invocation relationship between them along with the detailed description of each module. Object oriented design will involve building an object structure, identifying the objects in the software domain and identifying the relationship between these objects. Basically a page wise design methodology will be followed.

- Coding and Unit testing phase:

Here the main purpose is to implement the software design into code. Coding will be done following the coding standards and continuous interactions between the programmers, who will be working simultaneously on the different modules identified in the development phase. The modules will be tested by the members themselves. The group will be divided in a manner that the members involved in coding one module will test another module created by another set of members. The code will be well documented so that anyone not associated with the project can understand it.

- Integration and System testing:

The team will integrate the modules to make the final website to be tested by the members. The website will be sent to members of the organization for acceptance testing and deployment.

The time allocated for finishing the project is three months. The project plan will be made keeping in mind all the holidays, in-semester break and the exams during which the group will not be available for project work.

➤ **List of Deliverables**

The following documents will be submitted by the end of the project

1.	Project documentation and other items prepared, collected, and archived
2.	Feasibility Report (for accepted idea)
3.	Feasibility Report (for rejected Ideas)
4.	Project Proposal
5.	Project Plan
6.	Survey, Interviews and results
7.	Software Requirements Specifications(SRS)
8.	Draft User Manual
9.	SDLC
10.	System Test Plan
11.	Traceability Matrix
12.	E-R diagram
13.	Relational Model
14.	Data Dictionary
15.	Sequence Diagrams
16.	Architecture Design Diagram
17.	Data Flow Diagrams
18.	Activity Diagrams
19.	Use Case diagrams
20.	Quality Assurance Plan
21.	Risk Management Plan (RM3P)
22.	Gantt Chart
23.	COCOMO (Cost Analysis)
24.	Coding Standards
25.	Source Code
26.	Test Cases
27.	Test Report
28.	Termination Analysis
29.	Installation Manual

30.	Meeting Log (Minutes of meeting)
31.	Time Sheets

These deliverables are written based on the software development phases that we have learned in the Software Engineering course.

➤ **Timeline**

Sr. No	Tasks	Deliverables	Proposed Deadline
1	Finalizing a project idea	Project Topic	29th January 2015
2	Need of the project, feasibility analysis, Proposal	Feasibility report Technical proposal	29th January 2015
3	Planning for the work to be done in course of project	Project Plan	3rd February 2015
4	Collecting user requirements in detail - Requirement documents		9th February 2015
5	Revising feasibility as per requirements		10th February 2015
6	SRS v1.0	SRS document	12th February 2015
7	SRS v2.0	SRS document	16th February 2015

8	User Manual v1, Requirements traceability matrix, system test plan	User manual	20th February 2015
9	System and Database design		4th march 2015
10	Coding of individual modules	Unit tested modules	31st March 2015
11	Integrating the modules	Integration testing report	4th April 2015
12	Alpha and Beta Testing		8th April 2015
13	Final	Final product along with relevant documentation	10th April 2015

The delivery of the final product will be made to client for Acceptance Testing after it had been approved by the project mentor. All the post-development part including the maintenance part will be handled by the client.

3. PROJECT STAFFING

➤ Team Formation

Team Members	Roles	Responsibility
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Prachi Kothari	Team Leader	<ul style="list-style-type: none"> • Project management. • Review Documents. • Delegate meetings and facilitate the proceedings. • Assign roles to members. • Monitor project progress. • Interface Designing and Coding.
Yash Jain	Team Member	<ul style="list-style-type: none"> • Coding • Review documents • Interview • Requirement gathering • Feasibility study
Archit Gajjar	Team Member	<ul style="list-style-type: none"> • Documentation • Coding • Feasibility study • Cost estimation • Risk analysis
Dhaval Chaudhary	Team Member	<ul style="list-style-type: none"> • Documentation • Coding • Feasibility study • Cost estimation • Reviewing documents

Soham Darji	Team Member	<ul style="list-style-type: none">● Coding and database design● Test plan● User manuals● Debugging● Documentation
Rachit Mishra	Team Member	<ul style="list-style-type: none">● Documentation● Coding● Requirement gathering● Feasibility study● User manual● Risk analysis
Krupal Barot	Team Member	<ul style="list-style-type: none">● Interface design● User manuals● Interview● Design work● Coding● Feasibility study
Shivani Thakkar	Team Member	<ul style="list-style-type: none">● Delegate meetings and facilitate the proceedings.● Organize human resources and assign roles.● Coding

		<ul style="list-style-type: none"> • Monitor project progress. • Interface Designing • Documentation
Hardik Beladiya	Team Member	<ul style="list-style-type: none"> • Documentation • Coding • Database design • User manual • Test Plan

4. QUALITY CONTROL

➤ Project Tracking

- All the subsequent progress (documents) in the project is regularly uploaded on a shared account in Google Drive by the group members.
- Management within the group: The project will be monitored by conducting timely meetings among the team members. Sub - groups will be allotted specific tasks which will arise in the development of the project. At the end of each module or phase, the progress will be evaluated and accordingly there will be proper planning. Minutes are maintained for every meeting. Regularly contacting the mentor to check if the progress is at pace.

➤ Quality assurance

Requirement Management and updated design: Requirement specification document will contain all the requirements specified in requirement phase. The former and also correspondingly the design will be closely monitored in every phase and will be updated according to the need of the project.

- Quality Control: To maintain the quality of each deliverable, a review process will be followed for each deliverable. During the requirement phase, to ensure the quality of SRS, there will be regular questionnaires and interviews. During the coding phase, proper coding conventions will be followed.
- Reviewing of the documents and editing if necessary will be done by a review team consisting of other sub-groups not involved in its development. Hence quality of the documents is assured by unbiased reviewing.
- Also as the test cases are developed by the alternate (front-end and back-end) sub-groups robust quality of the website will be assured.

5. COST ESTIMATION

As the cost is in terms of man hours, it takes into account the contribution of human resources. There are roughly 12 working weeks. Considering 5 days a week and one hour per day per member contribution, the total cost will be $12 \times 5 \times 1 \times 9 = 540$ man hours.

6. REFERENCES

- The course content (lecture slides) of Prof. Asim Banerjee for IT314.
- The academic calendar for 2015 and list of holidays provided by DA-IICT.