**Project Title**

**CSCI 6838 – Capstone**

**April 22, 2018**

Industry Mentor1

Company Name

Industry Mentor2

Company Name

Academic Mentor1

University of Houston – Clear Lake

Academic Mentor1

University of Houston – Clear Lake

Student Name1

Email1

Student Name 2

Email2

Comment: Student names are alphabetical by last name.

Student Name3

Email3

Student Name4

Email4

Comment: No page number on the title page.

**Acknowledgements**

Comment: Each team member can acknowledge all individuals that helped you in developing the project and explain their contribution.

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**Introduction**

In this section you want to motivate your reader to read the rest of the document. You want to sell the reader on this project. This section should address the following questions:

* + What is the problem you are addressing?
  + Why are you solving it?
  + What is/are the benefits for solving it?
  + How does this relate to other work in this area?
  + What work does it build on?

**Market Analysis**

If the theme of the capstone project is research based, then this section would be entitled *Related Research*. The idea is to identify research similar research and how your research differs (and adds value) from other research.

The capstone project embraces this theme and puts a pragmatic spin on the idea.

Market Analysis seeks to identify the competitors for the product in development. Specify the features of the other products. Identify common features. Also, what features may be present in the other products not necessarily present in the capstone version.

**Requirements**

In this section you describe all types of requirements for the project.

**System Architecture**

Show and explain the high-level system architecture with various important blocks in the system. In many projects, the initial design and the final design differ somewhat. If the differences are interesting, write about them, and why the changes were made. If your design was not implemented fully, describe which parts you did implement, and which you didn't.

**System Design**

This section could include various UML diagrams including, but not limited to *Use Case diagrams* or *Sequence diagrams*. Include only if it helps better understand the project.

**Implementation**

Discuss the most important/interesting aspects of implementation. It probably won't be possible to discuss everything - give a rationale for what you do discuss. Explain how the program/system was verified.

**Milestones**

This section describes the project milestones, their due dates, and their current status. The milestones in this report should match those on the team web site. If any milestone was late or not completed, you may provide an explanation.

Comment: The Key code is a way to abbreviate student names. Notice the names are in alphabetical order by last name.

**Key code:**

S1 = Bob Abrahms

S2 = Sue Jones

S3 = Sachin Tendulkar

S4 = Mark Zuckerburg

**Table 1: Project Milestones**

|  |  |  |  |
| --- | --- | --- | --- |
| **Due Date** | **Activity** | **Percent Contributions** | **Status** |
| Feb. 4 | Construct a project website | S1 (100) | **Done: Feb. 3** |
|  | Project specifics go here | S1 (20), S2 (80) | **Late: Feb. 25** |
|  | Project specifics go here | S3 (100) |  |
|  | Project specifics go here | S4 (100) |  |
| Apr. 25 | Create a video: Project Demo | S1 (25), S2 (25), S3 (25), S4 (25) | **Pending** |
| Apr. 25 | Create a video: UHCL Experience | S1 (25), S2 (25), S3 (25), S4 (25) | **Pending** |

Comment: The Percent Contributions add up to 100% for each row.

**Conclusion**

The conclusion bring the document to a closure. Review the context and motivation for doing this project. Describe how this project helps the client in their business. Explain various features of the project. Wrap up the conclusion by discussing the impact the project solution will have for your client, e.g., time-saved, accuracy improved, throughput increased...whatever. Add some specific numbers if possible.

Finally, talk about broader impacts (if any) that your product might have, i.e., other contexts or clients that might be able to use it, potential for broader markets, and so on.

Close with some reflective comments on your team, the project process, and the Capstone class.

**Future Work**

Every good project will generate new ideas beyond the scope of the initial requirements that were not implemented. Discuss any additional features that could be implemented in future versions of this project.

**References**

Please see the *ACM Citation Guidelines* document for details on how to set up references.

**Glossary**

If this document includes any terms that have special meaning (domain-specific terminology, for example), provide those definitions here. Place the terms in alphabetical order.

**Appendix A - Code**

The first appendix will include the code developed during the project. The code should be documents with header comments which are comments at the beginning of each file. There will also be comments for each function/procedure. Use the courier font for the code.

Please see the *Documented Coding Example* file for an example on how to document your code.

Comment: Include any documents that you feel make your design specification easier to understand but are not central to the project's description.

There could be more than one appendix. If so, label them Appendix A, Appendix B, etc.