

Group 4

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Software Project Management – SWE 4663 Section W01

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ManageMe.io – Quick Plan

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Table of Contents

Title Page.....	Page 1
Table of Contents.....	Page 2
Introduction.....	Page 3
Brief Product Description	Page 4
High Level Schedule	Pages 5-6
Cost Estimate	Page 7
Summary	Pages 8-9
References	Page 10

Group Member Contributions

Maan Bhagat – Rough Cost Estimate – A

Matt Crowley – Group Leader - High Level Schedule and Summary – A

Kade Fleming – Brief Project/Product Description – A

Constant Nortey – High Level Schedule – A

Caroline Varner – Introduction - A

Introduction – Caroline Varner

Our product, ManageMe.io is an innovative task management application built using ASP.NET that will aid users in enhancing their productivity, workflow, and team collaboration. Our application seeks to provide a user-friendly interface coupled with essential project management tools to increase overall productivity management and efficiency. Some examples of these tools would be a task assigner, a progress tracker, and real-time updates for task completions/additions.

As will be discussed further in our document, our team has created an organized and flexible schedule where we meet virtually Tuesdays and in-person Thursdays to ensure that we are all consistently on the same page about our project workflow. Additionally, our rough cost estimate will provide an in-depth description of how much our project will cost according to human resources and software/tools usage. By utilizing open-source development tools and efficiently distributing tasks among team members, we plan to create a high-quality management tool that will also be proficiently delivered according to a strict development schedule.

Brief Product Description – Kade Fleming

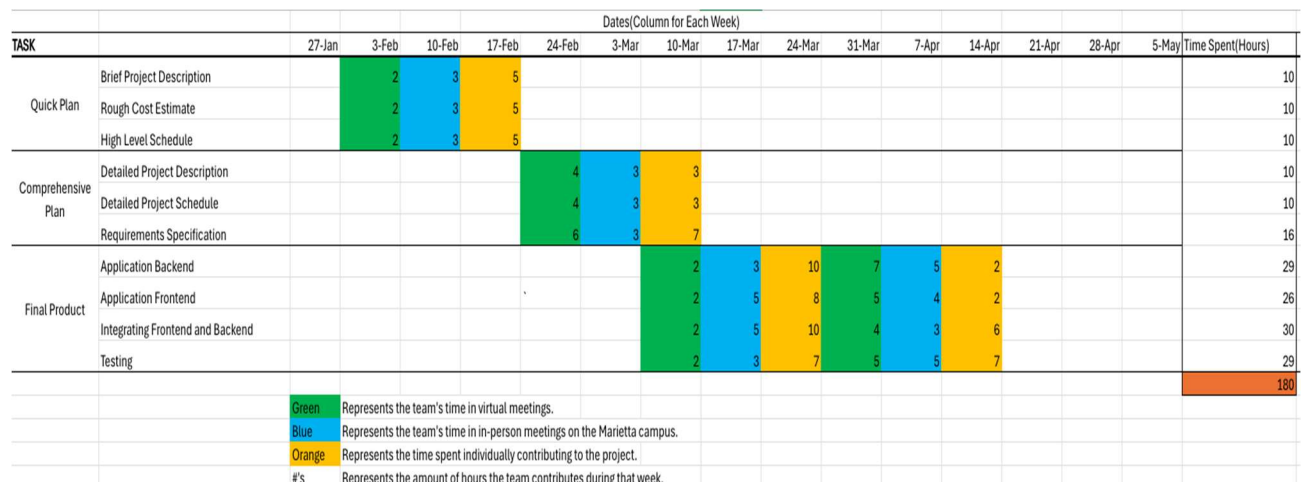
ManageMe.io plans to be an advanced project management system designed to streamline the monitoring of multiple projects. It will provide a structured approach to managing functional and non-functional project requirements, while also enabling teams to track time spent over the various phases of development. It will be an effective high-quality product built using ASP.NET, MongoDB, and will be hosted on AWS.

Each Project being managed by ManageMe.io will have an opening section that will ask for a product description, a project manager/owner's name, a list of team members for the project, and what risks will be involved. It will have users enter a list of functional and non-functional requirements that give the user the ability to enter work hours spent towards each phase of each requirement. The user will also be able to view the total amount of hours split between each development phase (requirement analysis, designing, coding, testing, maintenance) along with goals and targets for steady completion of the project.

High Level Schedule – Matt Crowley, Constant Nortey

To ensure this project's success with minimal frustration, our team has decided to tackle each project deliverable in an aggressive fashion. We plan on having each project deliverable completed approximately one week before the deliverable is due. This is so we have minimal stress in completing all of the required tasks, but it also allows us to have a buffer for completing tasks that are slowed down for any reason.

Our schedule for the completion of this project also includes two weekly meetings. Our team will hold a virtual meeting every Tuesday of every week until the project is submitted. On top of the virtual meeting, our team will also be conducting an in-person meeting every Thursday on the Marietta campus. The purpose of the virtual meeting is somewhat of a short “progress report” of the individual deliverable on which we are working. The in-person meetings conducted on Thursdays are where the team provides ideas and primarily works on the project because we are all in one place. Saturdays and Sundays are our individual workdays, where work is submitted to the deliverable and prepared to be discussed during the Tuesday virtual progress report. The Gantt chart below shows our schedule and workflow for completing tasks for each deliverable.



The team has also included a legend for better understanding of the Gantt chart. The green sections represent the virtual meetings. The blue sections represent the in-person meetings the team will conduct on the Marietta campus. The orange sections represent the time spent outside of meetings that the individual team members will contribute to the project. The numbers represent the total working hours the team will contribute to the respective section during the week.

Since there are five team members in our group. We believe that this schedule and operation of completing tasks will help ensure the success of the project. We have many skilled programmers and group members with keen attention to detail. Our strengths complement each other. With tasks and project deliverables weighing more in complexity, we have decided to allocate more resources (team members) to assist each other in the more complex tasks.

In terms of a buffer for the schedule for this project, we have ultimately accounted for delays. With software projects, delays can be expected and must be accounted for. Our strategy for dealing with these delays is to do work on each deliverable in advance, and not days before the deliverable is due. This will allow us to fall back on our allotted time if delays arise, whilst still allowing us to submit the deliverable on time. With our hard work and the flexibility provided by the buffer, we hope to ensure this project's success.

Rough Cost Estimate – Maan Bhagat

Rough cost estimate for the project, broken down into human resources and software/tools costs:

The Human Resources table below includes the estimated labor costs for the planning, development, and testing phases of the project. Each role has an associated hourly rate and estimated hours, leading to the total human resource cost.

Human Resource			
Role	Estimated Hours	Rate per Hour (\$)	Sub-total Cost (\$)
Planning	66	30	1980
Development	85	60	5100
Testing	29	30	870
Total Cost (\$)			7950

The Software and Tools table below includes the estimated cost of the necessary software and tools for the project. This includes costs for development tools, cloud hosting, and software licenses.

Software & Tools	
Item	Estimated Cost (\$)
Development Tools	0
Cloud Hosting	200
Software Licenses	0
Total Cost (\$)	200

The total project cost is calculated by adding the human resource and software/tools costs, yielding an overall rough estimate for the project.

Rough Cost Estimate	
Item	Estimated Cost (\$)
Human Resource	7950
Software & Tools	200
Total Cost (\$)	8150

Summary – Matt Crowley

The purpose of the Quick Plan for ManageMe.io is for all stakeholders and developers to get an idea of the product that has been proposed. This document does not go far into detail, but we briefly cover the product and what stakeholders can expect from us budget wise, schedule wise, and finished project wise. We have decided to exclude the extremely detailed list of the product requirements from this specific document and instead include the requirements in our follow-up document after this one.

In the product description, we explain that the team will be developing a full stack application to handle managing projects. We hope that the use of the technologies listed in the product description will allow us to create an effective system that project managers could utilize to manage projects.

In the High-Level Schedule, the team has provided a Gantt chart that details how the developing team plans to tackle each task of the project. The chart tells the reader what tasks the team will be completing, and the approximate time the team will spend during these tasks. This schedule is subject to change as needs develop for the project. If all is smooth sailing in terms of project completion, the team will follow the schedule outlined in the Gantt chart.

As time goes on and the developing team has made strides in the product completion, the cost will likely change than we originally planned. That is why we have titled this section the “Rough Cost Estimate”, because this is simply an estimate, and it is likely to change. Based on our history and knowledge of tools and allotted work hours, we believe that the product will cost that much.

All of the members of the developing team are excited and ready to complete this project.

We hope to make our stakeholders happy. Thank you for reading.

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