**Resume Builder**
**Software Project Management Plan**

Version 1.0

Software Engineering Project
Towson University

Kwabena Ampofo

**Update History**
This contains history of project/ spmp document

# Preface

Resumes are used as a quick reference for recruiters to determine one's qualifications for a position. Recruiters review many applications in a day, so it's important for applicants to have a resume that is concise and showcases their strengths and eligibility for the position being applied for. That being said many college students struggle to format their resumes in a way that is easy to navigate for recruiters, while allowing them to stand out. A decent resume could be the difference between getting that first interview or not. The resume builder site aims to aid students in building a resume that's sure to land them their first job or internship.

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**1 Introduction:**

**1.1.     Project Overview:** The resume builder plans to aid students in building a strong professional resume that they can use at career fairs or for job applications. Users would be able to fill in their details in a guided resume building form. Which at the end would format the users information into a resume for them

1.2.     Deliverables: A functioning website that is able to generate an HTML resume document based on the users information returned from the form, the documentation including requirements, spmp, use cases etc.

1.3.     Evolution (discuss changes in document, regarding features, management, etc):
   -     In its current state the submission form was initially a separate page to access and then submit from
   -     The form will be now apart of the signed in user page
   -     The process model has also changed to some form of modified component model. It allows me to learn and incorporate what parts of learned of the different technologies to its relative components in my project.

1.4.     References:

1.5.     Definitions Acronyms and Abbreviations

2. Project Organization
   2.1. Process Model consider updating this process model to reflect the current process of the project: Considering I've been learning about these different technologies on the fly I have moved from a waterfall model to modified component model. That follows a form more like requirements -> design -> learn -> implement -> integrate. Without knowing the technologies well its hard to define a more appropriate structure this is the way I have been working thus for and what has been working for me
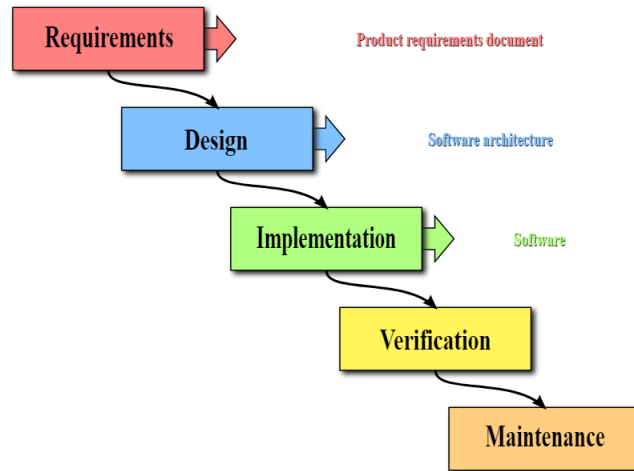


   2.2. Organization Structure:

| Member | Role |
|---|---|
| Kwabena Ampofo (Me) | Everything |

   2.3. Organizational boundaries and interfaces: (Hosting, authorization) I will be responsible for all process and procedures at every phase of development. Authorization Hosting and Database usage will be handled all with the use of firebase because of its convenience.

   2.4. Project Responsibilities
      2.4.1. Writing documentation, and requirements, developing the software based on the proposed design and requirements, securing the application, testing and hosting the application.

3. Managerial Process: Discuss Features and functionality
   3.1. Management Objective and priorities: I will ensure that project deliverables are submitted on time fully functioning by making sure that all checkpoints are adhered to and code functionality is maintained. Version control will also be handled through github.

   3.2. Assumptions , dependencies, and constraints:  What is my project depending on to operate successfully. Constraints may include compatibility. The backbone of this project is firebase. Google's backend as a service platform provides for easy user authentication, and free DB access with firestore. Firebase is a huge part of the site's core functionality. Routing and api calls are being handled

   3.3. Risk Management: One of the hardest things was the time constraint. On top of general class work in all my classes, additional group projects in this class and others, along with seeing and learning much of this content for the first time and trying to implement it in ways I have never done before has really been quite a challenge. Scheduling time to learn and time to build considering everything would be my biggest hindrance. Finding good tutorials that can tell me what I need to do without having a whole crash course has also been a huge time suck. Luckily at this point in time all the resources I have used thus far have been completely free and there hasn't been any issues thus far.

   3.4. Monitoring and controlling mechanisms: Check-ins during class time, meetings, I will be monitoring the progress of the project by comparing current progress against suggested project checkpoints

4. Technical process
    4.1. Methods tools and techniques: the project will be implemented using a modified component based process model and tools such as VS code, JavaScript, Nodejs, EJS, Firebase and Firestore, and Github
    4.2. Software Documentation: References to other documentation like requirements
    4.3. Project Support Functions: The complete testing procedure can be viewed in the testing procedure document

5. Work Elements schedule and budget: WBS and Gantt Chart Schedule. Planning phase should generate requirements, use cases, deadlines.
   5.1. The planning phase really only included the choosing the technologies i would be using for this project

| | September | | | October | | | November | | |
|---|---|---|---|---|---|---|---|---|---|
| Planning | Topic Proposal | Tool Selection | | | | | | | |
| Implementation | | | | Implement pages and auth | Send and receive for data from database Resume generation functionality | | Styling | | |
| Testing | | | | | | | | Perform testing | |
| Deployment | | | | | | | | | Deploy Application and present |