Resume Builder Application

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Version 1.04

Summary

The Resume Builder Application will allow users to build professional yet aesthetically pleasing resumes based on their given input. The application will consist of both a website as well as a mobile application.

When utilizing the software, visitors will be prompted to input information such as work experience and education. The software will then allow the user to select their desired resume format from a set of templates. Once the resume is built, customers will have the option to save their file onto their machine as a pdf. For the mobile application users, an option to share the file as a pdf via email will replace the download option.

In addition to these features, users will be able to create accounts to save their information and access their previously created resumes. Previously created resumes will also be adjustable if the user wishes to make changes. With an account, users will not have to fill out their desired resume information more than once, as it will be saved and linked to their account.

Creating engaging and digestible resumes can be intimidating. There is a plethora of confusing and contradictory information out there. With the Resume Builder Application, anyone will be able to present their professional experience in a beautiful and eye-catching manner. Job-seeking individuals who use the Resume Builder Application will stand out amongst the typical sea of bland applications.

User Level Requirements

- Users will be able to create an account using their Google login credentials.
- Users with an account will be able to input their personal information including:
    - Name
    - Location
    - Professional Experience
        - Position
        - Dates of Employment
        - Responsibilities
    - Educational Background
        - Institution
        - Date of Attendance
        - Relevant Coursework
        - Date of Attendance
        - Degree
    - Contact Information
    - Portfolio
- Users will be able to select from a variety of templates for their resume.
- Users will have the option to save their resumes to their account and will be able to edit them later on.
- Users will be able to save their resume as a pdf when using the website.
- Users will be able to share their resume via email when using the mobile application.

Functional Requirements Overview:

1. Account Creation
2. Saved Professional Information and Previous Resumes
3. Accessible Preset Templates
4. Enabling Template Adjustments
5. Saving Resume as PDF (website)
6. Emailing Resumes (mobile application)

System Level Requirements

- The Resume Builder Application will be accessible on all modern browsers including:
    - Firefox
    - Safari
    - Chrome
    - Edge
- The application will also be accessible on modern Android OS devices.
- The Resume Builder Application will be accessible with a straightforward layout.
- Layout will be optimized for different screen sizes.
- Character limits will be placed on all descriptive input fields to optimize storage (max 700).
- Templates provided will be professional and engaging.
- Templates will be up to par with current successful resume trends.
- Information saved to the user's profile will be able to be loaded into a selected template.
- Resume templates will be organized by aesthetic as well as field (technology, art, engineering, literature, etc.)
- Login functionality will be linked to a user's Google account (via Firebase).
- Security rules will be implemented in Firebase to lockdown the database.

Nonfunctional Requirement Overview:

1. Data Security Firebase Integration
2. Portability
3. Storage Optimization
4. Accessibility
5. Relevant Modern Templates

Technology Stack

The technological services and programming languages needed for this software project include:

1. Android Studio for Application Development (emulator testing)
2. Cordova Mobile Application Development Framework
3. HTML and CSS Programming Languages for Website Interface Design
4. Bootstrap CSS Library for Interface Design
5. JavaScript Programming Language for Website Functionality
6. Firebase Cloud Storage for User Account Database
7. LAMP Server for Website Hosting (provided by FAU)
8. Google Play Services for Application Hosting
9. GitHub version control software
10. Visual Studio Code text editor for programming
11. Modern web browsers Chrome, Firefox, Edge, etc.
12. Jira Project Management Software for SCRUM board creation

Milestones

Number	Tentative Completion Date	Milestone Description	Team Members
1	17 February 2021	Project proposal initial version	BQ AK
2	24 February 2021	Version control software preparation Creation of GitHub	AK (Git Master)
3	24 February 2021	Project management software preparation SCRUM board created	AK (SCRUM Master)
4	26 February 2021	Project planning UML mockup, use case diagrams, etc. created	BQ AK
5	15 March 2021	Initial Website Developed Version One	BQ AK
6	1 April 2021	Initial Mobile Application Developed Version One	BQ AK
7	8 April 2021	Final Versions of Website and Mobile Application Developed	BQ AK
8	12 April 2021	Project presentation and final report prepared Project ready for submission	BQ AK

Timeline

17 February 2021: Initial project proposal completed. Begin work on GitHub and SCRUM board creation.

24 February 2021: Project version control and management software completed. Begin first sprint.

Sprint One: Project planning

1. UML mockup (primary team member: Brandon Que)
2. Use Case Diagrams (primary team member: Alena Krause)

26 February 2021: Project planning completed. Begin website development.

Sprint Two: Initial application design using HTML/CSS/Bootstrap

1. Overall website layout (primary team member: Alena Krause)
2. Website presentation and decoration (primary team member: Brandon Que)

Sprint Three: Account/user profile functionality using Firebase

1. Account creation (primary team member: Alena Krause)
2. Saving information to accounts (primary team member: Brandon Que)
3. Security and password hashing (primary team member: Alena Krause)

Sprint Four: Initial application functionality using JavaScript

1. Creating input fields (primary team member: Alena Krause)
2. Loading information to templates (primary team member: Alena Krause)
3. Resume exporting and sharing (primary team member: Brandon Que)
4. Saving resumes to profile (primary team member: Brandon Que)

15 March 2021: Initial web browser version completed. Begin mobile application development.

Sprint Six: Compile project source code using Cordova (primary team member: Brandon Que)

Sprint Seven: Optimize for mobile device usage (both team members)

1 April 2021: Initial mobile application completed. Begin final adjustments, presentation, and report.

Sprint Eight: Project Presentation (both team members)

Sprint Nine: Project Report (both team members)

12 April 2021: Project complete and ready for submission.

Version History

1.01	Document Template	10 February 2021
1.02	Initial Draft	15 February 2021
1.03	Final Draft	17 February 2021
1.04	Revisions to Requirements and Milestones	24 February 2021