
CVEditor

Requirements Definition

VERSIONS HISTORY

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1 Introduction

This document defines the basic requirements for CVEDitor, an application that facilitates the writing and maintenance of Curricula Vitae (CV).

1.1 Purpose

The preparation of a Curriculum Vitae (a.k.a. resume) is a very important task for everyone who is looking for a job or an internship. The main goal of this project is to develop CVEDitor, an application that makes this task easier, especially for young inexperienced people such as graduate and undergraduate students. At a glance, CVEDitor shall allow a user to prepare a new CV based on well known templates (chronological, functional, combination), change the structure of an existing CV by switching between these templates, generate actual CV documents in well known formats (simple text, Latex [8,9,10]), trace changes between different CV versions and so on.

1.2 Document Structure

The rest of this document is structured as follows. In Section 2 we focus on basic domain properties related to CVs in general and the CV templates that are offered by the CVEDitor in particular. In Sections 3 and 4 we provide, respectively, the "raw" functional and non-functional requirements that should be further analyzed to drive the design, implementation and testing of CVEDitor.

2 Domain Properties

We begin with the basic properties of a CV.

- From a broader perspective a CV is a document that consists of a list of sections.
- Each section has a title and consists of paragraphs and/or item lists.
- The exact CV structure varies depending on the CV template that is adopted.

Following, we focus on the 3 well known CV templates that are supported by CVEDitor.

2.1 Functional CV Template

A functional CV focuses on skills and experience, rather than on a chronological work history [3,6]. It is typically used by job seekers who are changing careers or who have gaps in their [employment history](#). In this way, [specific skills](#) and capabilities are emphasized to highlight the potential employee's competency [3]. Table 1, gives a template that details the structure of a functional CV [6].

1. GENERAL INFORMATION Name Address Telephone: (Home) (Mobile) Email:	
2. PROFESSIONAL PROFILE	
3. SKILLS AND EXPERIENCE 3.1. SKILLS AND EXPERIENCE ON <X> • • 3.2. SKILLS AND EXPERIENCE ON <Y> • • 3.3. SKILLS AND EXPERIENCE ON <Z> • •	
4. CAREER SUMMARY • Company Name, Job Title, Date • Company Name, Job Title, Date •	
5. EDUCATION AND TRAINING • Qualification, Establishment, Location, Date • Qualification, Establishment, Location, Date •	
6. FURTHER COURSES • Course, Establishment, Location, Date • Course, Establishment, Location, Date •	
7. ADDITIONAL INFORMATION	
8. INTERESTS	
Table 1. Functional CV Template.	

2.2 Chronological CV Template

A chronological resume starts by listing work history, with the most recent positions listed first [4,6]. It is considered one of the most common resume structures.

1. GENERAL INFORMATION Name Address Telephone: (Home) (Mobile) Email:	
2. PROFESSIONAL PROFILE	
3. CORE STRENGTHS	
4. PROFESSIONAL EXPERIENCE • Company Name, Job Title, Date o Paragraph of responsibilities.	

<ul style="list-style-type: none"> <ul style="list-style-type: none"> o List of achievements <ul style="list-style-type: none"> ▪ Achievement X ▪ Achievement Y ▪ • Company Name, Job Title, Date <ul style="list-style-type: none"> o Paragraph of responsibilities. o List of achievements <ul style="list-style-type: none"> ▪ Achievement X ▪ Achievement Y ▪ • 	
5.	EDUCATION AND TRAINING <ul style="list-style-type: none"> • Qualification, Establishment, Location, Date • Qualification, Establishment, Location, Date •
6.	FURTHER COURSES <ul style="list-style-type: none"> • Course, Establishment, Location, Date • Course, Establishment, Location, Date •
7.	ADDITIONAL INFORMATION <p>....</p>
8.	INTERESTS <p>.....</p>
Table 2. Chronological CV Template.	

Employers typically prefer this type of resume because it's easy to see what jobs have been held by the job seeker and when the job seeker has worked at them [4]. In this type of resume the jobs are listed in reverse chronological order with the current, or most recent job, first. It often includes a [resume objective](#) or [career summary](#) before a list of previous work experience. Education, certifications, and special skills are also included on this type of resume. These are listed after the work experience. Table 2, gives a template that details the structure of a chronological CV [6].

1. GENERAL INFORMATION Name Address Telephone: (Home) (Mobile) Email:	
2.	PROFESSIONAL PROFILE <p>.....</p>
3.	SKILLS AND EXPERIENCE <ul style="list-style-type: none"> 3.1. SKILLS AND EXPERIENCE ON <X> <ul style="list-style-type: none"> • 3.2. SKILLS AND EXPERIENCE ON <Y> <ul style="list-style-type: none"> •
4.	PROFESSIONAL EXPERIENCE <ul style="list-style-type: none"> • Company Name, Job Title, Date <ul style="list-style-type: none"> o Paragraph of responsibilities. o List of achievements

	<ul style="list-style-type: none"> <ul style="list-style-type: none"> ▪ Achievement X ▪ • Company Name, Job Title, Date <ul style="list-style-type: none"> ▪ •
5.	EDUCATION AND TRAINING <ul style="list-style-type: none"> • Qualification, Establishment, Location, Date •
6.	FURTHER COURSES <ul style="list-style-type: none"> • Course, Establishment, Location, Date •
7.	ADDITIONAL INFORMATION <p>.....</p>
8.	INTERESTS <p>.....</p>
Table 3. Combined CV Template.	

2.3 Combined CV Template

A combination CV is ideal for people who want to emphasize their skills, but also include their work history (which many employers want to see) [5,6]. Combination resumes can be used to show the employer your most relevant skills, while still documenting work history. The combination resume is typically sectioned into two parts [5]: The first part is similar to a [functional resume](#) in that it highlights skills, achievements, and qualifications, while the second part depicts the timeline of work experience. Table 3, gives a template that details the structure of a combined CV [6].

3 Functional Requirements / User Stories

- [US1] As a user I want to create a new CV based on a particular CV template. If I don't specify which template, the application should remind me this with a respective notification message.
- [US2] As a user I want to edit the contents of a CV. To this end, I should be able to add, remove, or update the information that is given into the different sections in terms of paragraphs, items and so on. As I edit the contents of the CV the application checks if dated information is given in the right order (i.e. most recent first). If not, the application responds with a respective notification message
- [US3] As a user I want to create a document based on the CV contents. To this end, I should be able to specify the file format; this can be plain text or Latex [8,9,10]. If I don't specify a format, the application responds with a respective notification message. The document is stored in a corresponding file.

- [US4] As a user I want to open a CV document that is stored in a file. If the contents of the file are not in a supported format the application responds with a respective error message. Moreover, if the structure of the CV contents does not follow one of the supported templates the application responds with a respective error message.
- [US5] As a user I want to be able to compare two different versions of a CV (CVs that belong to the same person). The two CVs must be characterized by the same name. If not, the application responds with a respective error message. The application reports the differences and allows me to create a merged version that incorporates all or some of the differences.

4 Non Functional Requirements

[NF1] **Extensibility:** In software engineering, extensibility is a systems design principle where the implementation takes future growth into consideration. In the case of this project extensibility concerns the generation of CV documents. Specifically, the application should be designed such as the addition of new file formats is as simple as possible and according to the well known open-closed principle [7].

[NF2] **Usability:** In software engineering usability concerns the ease of use and learnability. In the context of this project the application should enable the CV construction via a simple and user-intuitive interface. The application should also provide help, in the form of user guidelines, concerning its main functionalities, and the contents of the different CV templates.

5 References

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