# Home assignment for Junior Software Developers

## Assignment:

Development of a Professional Service API for CV Parsing and Database Storage

## Objective:

Develop a service API that can accept a PDF file containing an applicant's CV, parse the document to extract specific fields, and store the extracted data in a MongoDB database. Additionally, create a user-friendly front-end page to display the applicant's information, provide the ability to download the CV, and allow for the removal of applicant records.

## Requirements:

Develop a RESTful application for handling the following functionalities:

1. Accept a PDF file containing the applicant's CV.
2. Parse the PDF to extract relevant fields, including but not limited to:

* Applicant's ID
* Name
* Family Name
* Email
* LinkedIn URL

1. Store the extracted data in a MongoDB database. d. Create a user interface with the following features:

* Display all relevant applicant fields.
* Provide a download button to retrieve the original CV as a PDF file.
* Implement a delete button to remove the applicant record from the system.

## Guidelines and Notes:

1. Assume that the provided PDF file is valid and free from corruption, eliminating the need for extensive input validations.
2. Since there are no standardized rules for the format of CVs, you have the flexibility to determine the best approach for extracting the required information.
3. The fields to be extracted from the PDF file include the applicant's email address, LinkedIn profile URL, mobile phone number, and personal identification number (ID). If any of these fields are missing, set them to null.
4. Store the extracted data in a MongoDB document. The "rawData" field should contain the entire parsed file, with the other relevant fields organized as sibling fields in a manner that you find appropriate.
5. Choose between using a schema-based or schema-less approach for data modeling, and provide a rationale for your selection.
6. Submit your completed work to myemail@work.com.
7. Task Submission Deadline: One week from today.

Good luck!