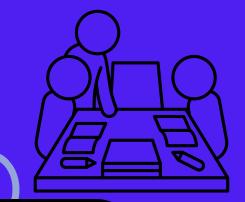# LINKED-UD

Introduction

LinkedUD is a visionary response to the mounting challenges that we could see on the escalating unemployment rates and the various difficulties to search for a job. We started this application in order to do something good about these job problems, we wanted to make a difference in this ambit, trying to give people an easier way to find job and to offer their multiple funcionalities , professions and potential, so they can be recognized properly in the job that they have applied to. Recognizing the urgent need for a solution that transcends conventional job search paradigms.
LinkedUD is committed to making sure everyone has a fair shot at finding a job, no matter who they are or where they come from. We believe everyone deserves a chance to reach their goals and make a difference in the world.

Methods

We had to do a lot of research and planning to create the methods for our application, in the first place we had to look through the problem of unemployment, and how our application could solve it. Once we were sure what we wanted to do, then we proceed to plan it, we focused on creating multiple types of diagrams so we could know all the requierements, classes, funcionalities, users and the various process that LinkedUD had to do to act properly. There were built deployment diagrams to define our backend and frotend, activity diagrams to define de logic of our algorithms, secuence diagrams to understand the process in the application and state diagrams were we could see all the different states that the classes of the app would need to let them use it properly.

Experiments

The development process of LinkedUD began with a comprehensive system analysis and design phase, where user stories, project requirements, and potential user interfaces were outlined. This phase was crucial in defining the classes, objects, and methods necessary to achieve the project's objectives, as well as establishing business rules and expected outcomes. Subsequently, backend and frontend development commenced, focusing on implementing the business logic and graphical interfaces, respectively. A small database schema was also created to store relevant information about classes and objects. Unit tests were performed using Python and its "faker" library to validate the functionality of each method against expected results. Upon successful completion of unit tests, LinkedUD was launched for end users, with ongoing support and maintenance to address any encountered errors. This meticulous programming methodology ensured the creation of a robust and user-friendly application tailored to meet the needs of job seekers and employers alike.

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