Functional and Non-Functional Requirements

1. Product Scope:

Main module of the project

* Course details
* questions details
* design exam requirements

To manage exam design:

* Teacher users
* Course/ch/questions details

To manage the whole module:

* Admin User

1. Product Function:

Diagram

Description automatically generated

1. User Classes and Characteristics:

In here the system users are the admin/ staff user and teacher user. According to my assumptions the admin will add courses, manage their information, manage their chapters and questions, on the other side the teacher will handle exam design.

The teacher user can signup/login and request for an exam according to his requirements.

1. Operating Environment & Tools:

* OS: WSL (Ubuntu 20)
* Virtual environment by Pipenv library
* Django
* Local Host Server
* PostgreSQL Database

1. Assumptions & Dependency:

* Every teacher has email
* The system database will be accessible in real time
* The admin doesn’t fake questions information
* The questions are correct and well answered
* Chapter of a question is within the no. of chapters for the course

1. Functional Requirement:

* Login admin
* Signup/Login teacher user
* Authorization levels(admin/ teacher / none user)
* Add/edit/delete course info
* Add/delete question info
* Design an exam according to a punch of requirements

1. Non-Functional Requirements:

* Users created by Django-allauth
* Responsive pages
* Colorful template
* Most of functions are handled by the system itself not human
* Almost automated exam design
* Customized library functions