

## **GROUP ASSIGNMENT**

### **The Design of a Universal Decentralized Platform for “Professor-As-A Service”**

#### **TEAM**

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#### **PROBLEM STATEMENT:**

The university models as we know them are rife with overpriced courses and institution fees where the major impact-creators (professors) receive a small portion of the benefits the university system receives from its students. Our Professor As A Service is an idea that brings forth the design of a decentralized digital platform, much like the popular crypto currencies. The Professor As A Service a.k.a PAAS puts software to improve the quality of education and reduces tuition fees by removing the part that the university plays entirely. One less player in the education system means less complicated transactions and a fair flow of tuition fees to the right hands. All in all, PAAS allows professors to be in complete autonomy as they utilize their talent and make decisions that shape the future of tomorrow’s engineers, doctors, teachers, artists, businessmen, lawyers and change makers. It also makes education accessible to students worldwide, connecting them with professors from any part of the world.

#### **PROPOSED SOLUTION:**

Autonomy is offered to system admin, professors, students and certification authority to achieve the following actions and desired results later, respectively:

**Admin:** Add Professors, add Students, add Certification Authority.

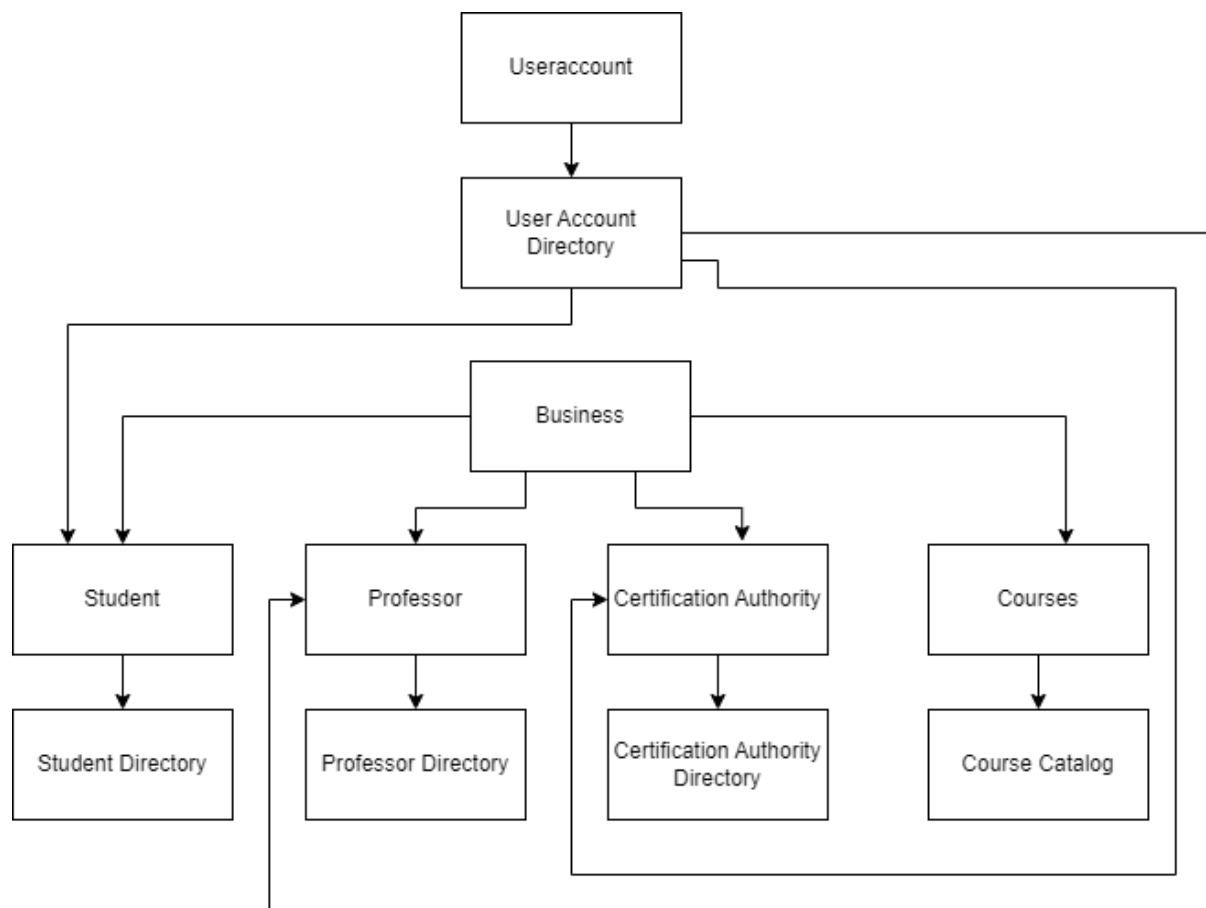
**Professors:** Course addition, Course schedule creation, Setting course pricing and course details pertaining to the demand.

**Students:** Sign-ups for multiple courses for multiple professors, Give reputation index to the professors

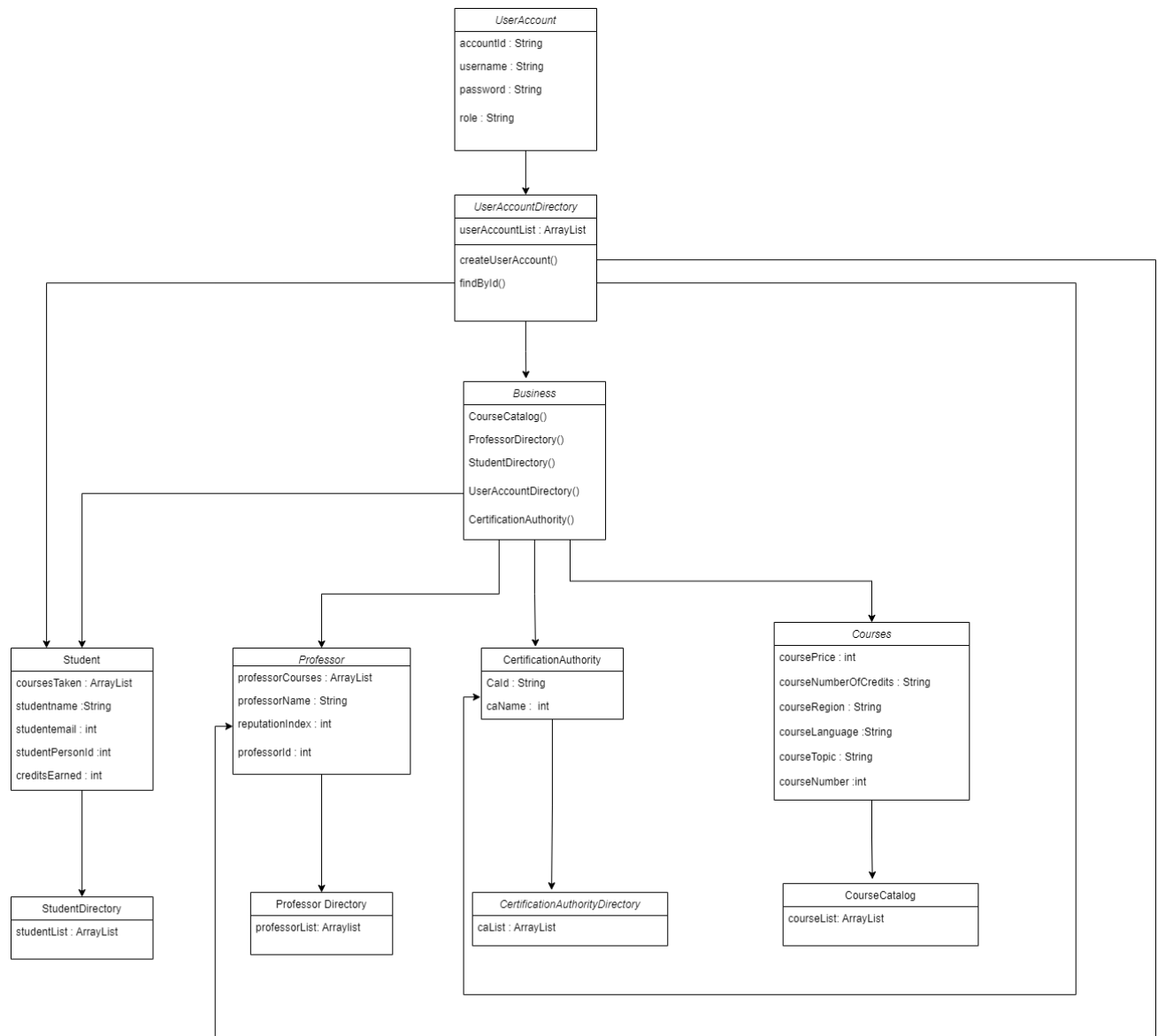
**Certification Authority:** Approve students request to graduate based on the requirement check.

- One restriction that is being placed on **students to obtain their degree** is to fulfill course requirements, which is completion of **8 courses or more**.
- Restriction on the professors is to **add not more than 2 courses**.
- None of the users can add **null/blank** values.

It is important to note that the PAAS system pulls an important entity into play which is the 3<sup>rd</sup> party certification authority which adds credibility to students' transcript/degree conferral decision-making. Additionally, a Reputation Index helps students to pick the course they most want based on the performance and reputation of the courses offered by professors.



Architecture Diagram



Class Diagram