

Project 10

Jiangyi Lin

Ni Ke

Wandong Wu

YinXiang Wang

Project Motivation

- Trainly.io is an App store used to serve the field of all kinds of training
- Faculty can create courses and securely post study materials
- Students can enroll in and complete useful courses they interested
- Trainly.io only charges 30% of any course-enrollment fees



System Description

- a) Register a new user
- b) Administrator can authenticate a faculty user
- c) Provide a categorized list of a student's courses
- d) Enroll a student in a course

System Description

- e) List course materials for a student
 - f) Mark course material as having been completed by a student
 - g) Provide a certificate of completion for a student
 - h) Provide an account history for a user
-

System Architecture

- RDBMS MySQL

- Front-end: HTML

- Back-end: Python, Django framework

Retrospective

- Salt column
- Django's composite key
- More advanced tools
- Find and solve problems in practice!

Database Design

- Source of the data for each table: random generation

- Physical design:

UserId, CID(Course ID), CMID(CourseMaterial ID)

TID(Topic ID), QID(Question ID) is primary key and the cluster index

- ERD
- relational model



