

This program has 3 Apps :

1) Auth\_user:

Models: Auth\_user has a model called Querauser that is a abstract user with email and phone number fields

Views: there are Login and register views in this app .calling register creates a QueraUser object and login returns an access token

2) Bank :

This app manages question bank's operations and Views are not completed yet.

Models: this app has two models "Soal" and "SubmiteAnswer"

Soal's main fields are answer\_type , test\_case and test\_case\_answer .  
answer\_type shows the answer format that soal will receive text format,

File format or code format

Test\_case and test\_case \_answer will keep Soal test case and its specific answer at the database if the answering type is code format

Views: SoalView will create a Soal object through the post method and shows a list of all available soals through get method

3) Classroom

Is the largest and main app of the program that manages class operations such as creating and editing classrooms , inviting and joining a classroom with email invites or password , sending messages in class chatroom , adding assignment to a class (individual or groups) and adding question to assignments

Models: classes is the main model of the program each classes object has a 20 char shenase that is used to find a specific classes in urls (more details in views)

Classes has two permissions private which could use a password or invite link to join and public that User could join by its shenase

Classrole model keep each user role in a classroom roles are owner ,teacher ,mentor and student

The score model is used to keep gained scores in each question(not completed yet)

The Assignment model has 3 main field contribution type that show if the assignment is grouped. if contribution type is grouped a team field is defined to keep group members .

Question field keeps the question that each assignment has

For\_class field connects this model to classes

Invite model keeps every invite id that a teacher or owner has sent to a member

Question model is questions that added to assignments and uses a soal from bank app and has a deadline , mark and send limit

Views:

JoinClass → post: joining a class with password ,get: join a public class

JoinClassByInvitation → get: join a class with a link (invite id is in the url)

InClassMessage → post : send message in class chatroom

SendInvitation → post: send invite to a list of users

Classview → post: create a new class , get:list of all public classes

ClassDetail → post:update class fields ,get: retrieve your class

ChatBox → shows a class chatroom

AssignmentView → post: add a assignment , get : list of class assignments

AddGroup → add a group to an assignment

AddQuestionFromBank → post: add an existing soal to a question

AddCreatedQuestion → post: create a soal and add it to a question