

TEAM : SPIDERNERDS

TEAM LEADER : CHINMAY VYAPARI

MINISTRY CATEGORY : Department of School Education & Literacy (DoSEL), Ministry of Education

PROBLEM STATEMENT : To create a crowdsourcing model where questions are set by a large number of anonymous stakeholders thereby creating a large question bank

College Code : 5459

Problem Code : RK783

TECHNOLOGY STACK:

Backend – Python 3.6, Django (Framework)

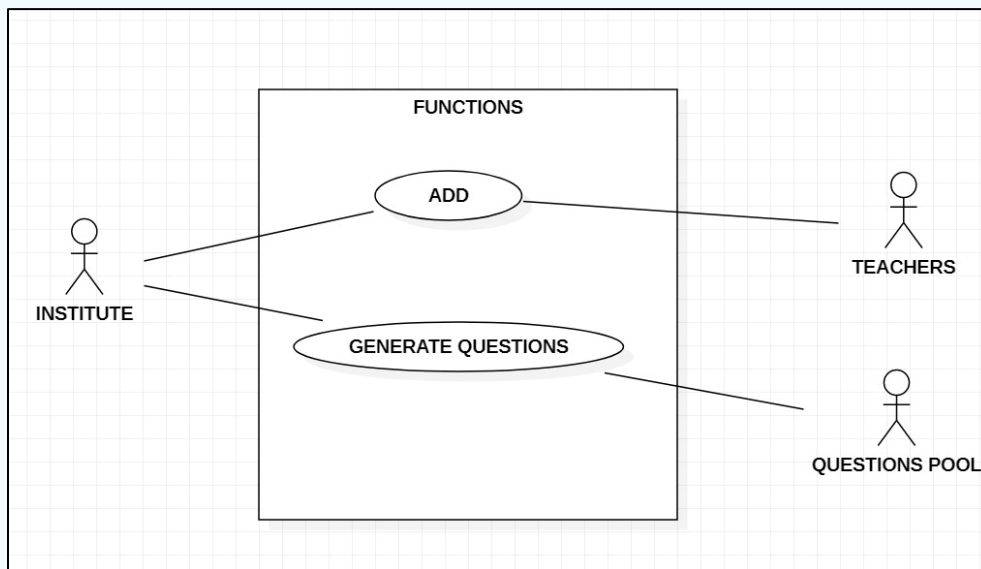
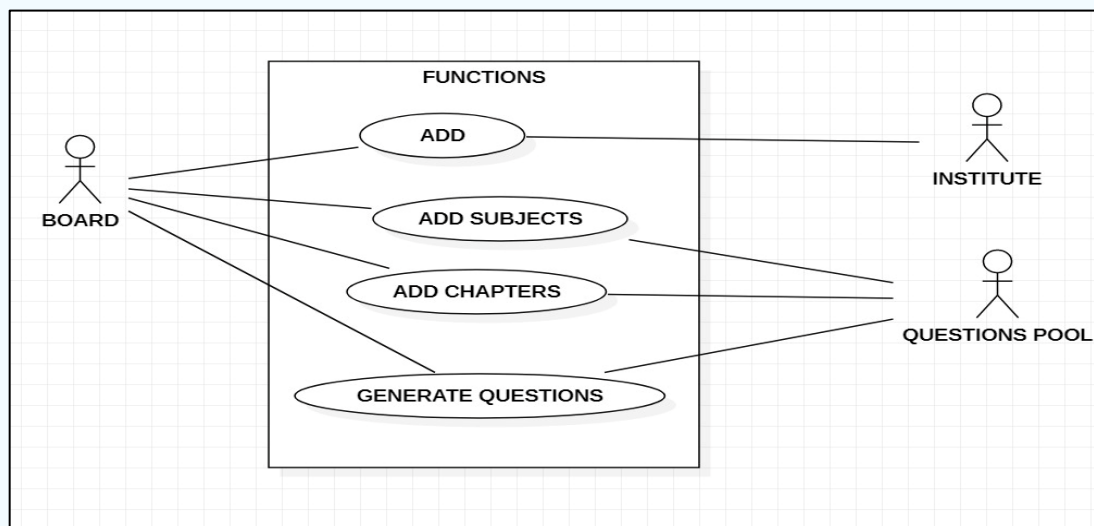
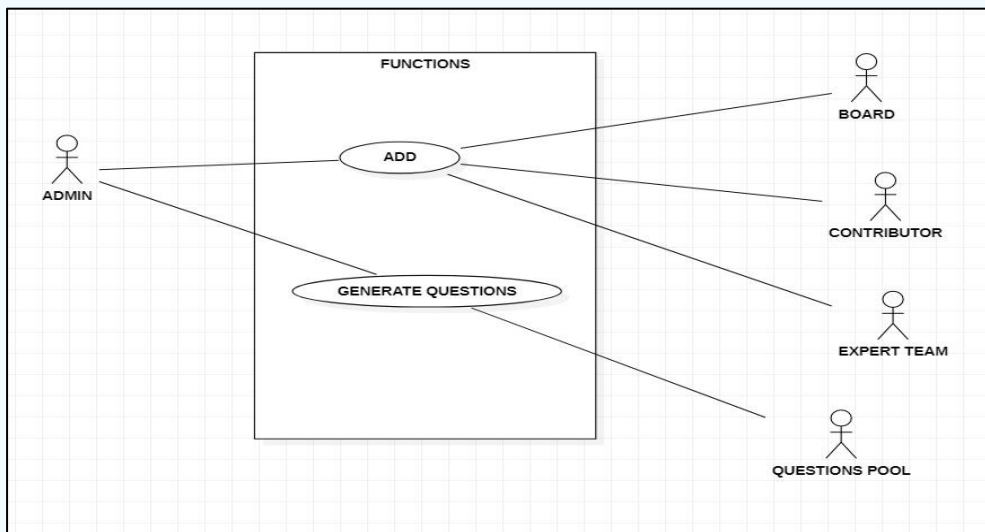
Database - Mysql 5.5

Frontend - HTML 5, CSS 3, Bootstrap

SOLUTION

- On our portal, Department of School Education & Literacy (DoSEL) will be the highest authority, it will add the education boards(State, Central, etc).
- Boards will add Institutes (school and college) under it, it will also decide and add subjects/sub-topics.
- Institute will add the teachers/professors under it, teachers will be contributors by default.
- Anyone can become a contributor, a person has to give an application to the board to become a contributor, after board approves his/her request then only he/she will become a contributor, and they can add the questions to the Question Pool.
- The questions will be examined by experts, Experts can accept or reject the questions from the question pool.
- There will be different formats of objectives, contributors can specify the level of questions. (easy, medium, hard)
- The system will also allow the board and the teachers to automatically generate question papers of a particular subject consisting of the desired number of questions with desired difficulty level from the question pool that the system has.
- This portal will be able to generate mass questions and on the other hand, it will be saved from getting spammed as we verify the legitimacy of contributors.

USE CASE



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