Danske IT Hackathon - Real time Quiz

Project Design Document

Team: Bit Horizon

- Prashant Navale, Anshul Singhal and Shivendra Aggarwal

Table of Contents

- 1. PROJECT GOAL
- 2. OBJECTIVES
- 3. USER STORIES
- 4. USER INTERFACE
- 5. ARCHITECTURE/FLOW
- 6. DATABASE DESIGN
- 7. SOFTWARE AND TECHNOLOGIES

1. Project Goal

Create a quiz application where multiple users can participate concurrently.

2. Objective

Build a scalable, Real time and failover solution.

3. User Stories

Admin Durhboard

Story! ADMSN should be able to manage the awise

Taske: UI to create another Imanage awater

Task: Association of twention with awiz.

Task: Schedne Publishing the Deuz

Task: Model/Domain Definition

Task: Ansenting/Seeding Doda.

Story! -> P: Grood to have

Task: -> P: Essential

Story : As a admin user should be able to marge the Participents Admin should be note to see all the away Tark I-Task 2: Admin should be able to see the Participat list Assoluted with the Duz Task : Admin should be able to see the usuls Score for a timiz Tack 4: Admin should be able to see the use Performance Task 5: Admin should be oble to manage the auiz Perfor Story Z: Task 1 Table 2: Pi Essential Tout 2: Tark in THE S

Story-3: As a Admin, user should be monitor/manage Eco System.

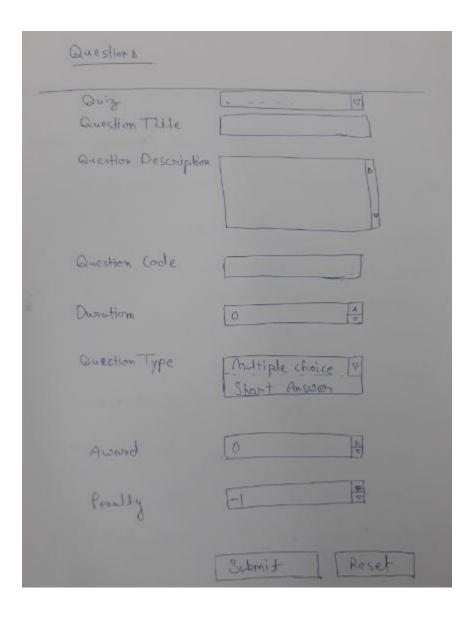
Story-4: Feedback and notification system

Story-5: As a user, I should see the performance matrix

Story-6: System must be reliable

Story-7: Auto scalable

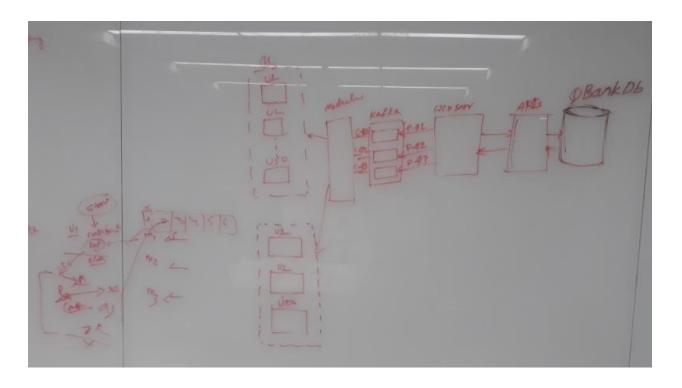
4. User Interface



auiz Name :			-
	. 63)	Passing : 50 A	ivercinge?
The second secon			
Nome At	empted wi	hem Curvale	Action
-			
			1

Quiz Configuration		
Minual Extrag A	Uplood autol	
Daig Name		
QuigType	Poblic Private	\[\forall \]
Rig Date		10/
Start Time	00 00	
End Time	00:60	b d
Passo and	XXXXX	copfional, in case of Polivale Guiza
	Submit	Reset

5. Architecture/Flow



6. Database Design

Quiz Rose (Unique) Quiz Type (Public / Puriode) Quiz Type Quiz Date Quiz Bassward Quiz Bassward	acing (Mapping) (PK) (PK) (PK) (PK) (PK) (PK) (PK) (PK)
Questioned (PR) Question Concernation (Unique)	
Quention (code (mique)	Question Answer May ping
QueffonTitle	Gasytian Id.
QuarterType	previold.
pword famality	15 consect Date
	() sex Quiz
America (bx)	Userauizeld.
A was an Occaripation	Quiz lat
	User bl.
Deere	Franklich Result
Usuld	
OsenNowe	
Vsex Email	

7. Software/Technologies

.NET Core

C#

Web API

Kafka

SQL Server

 MVC

Angular