

Danske IT Hackathon – Real time Quiz

# ***Project Design Document***

***Team: Bit Horizon***

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## **Table of Contents**

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

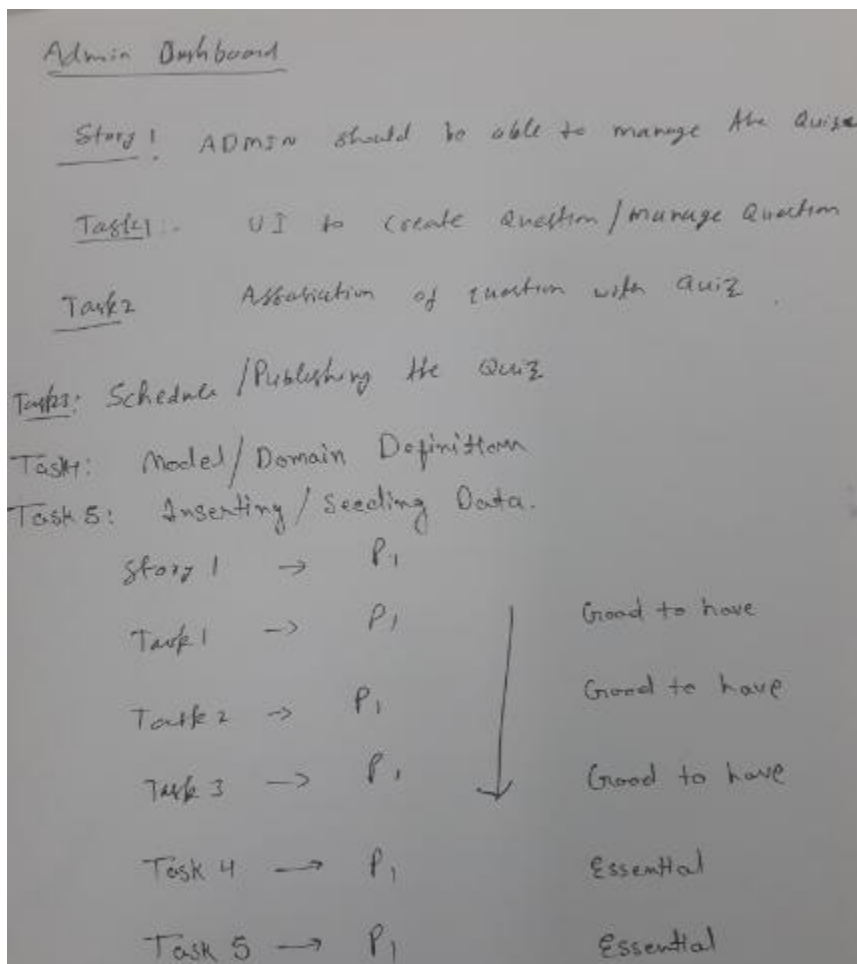
## 1. Project Goal

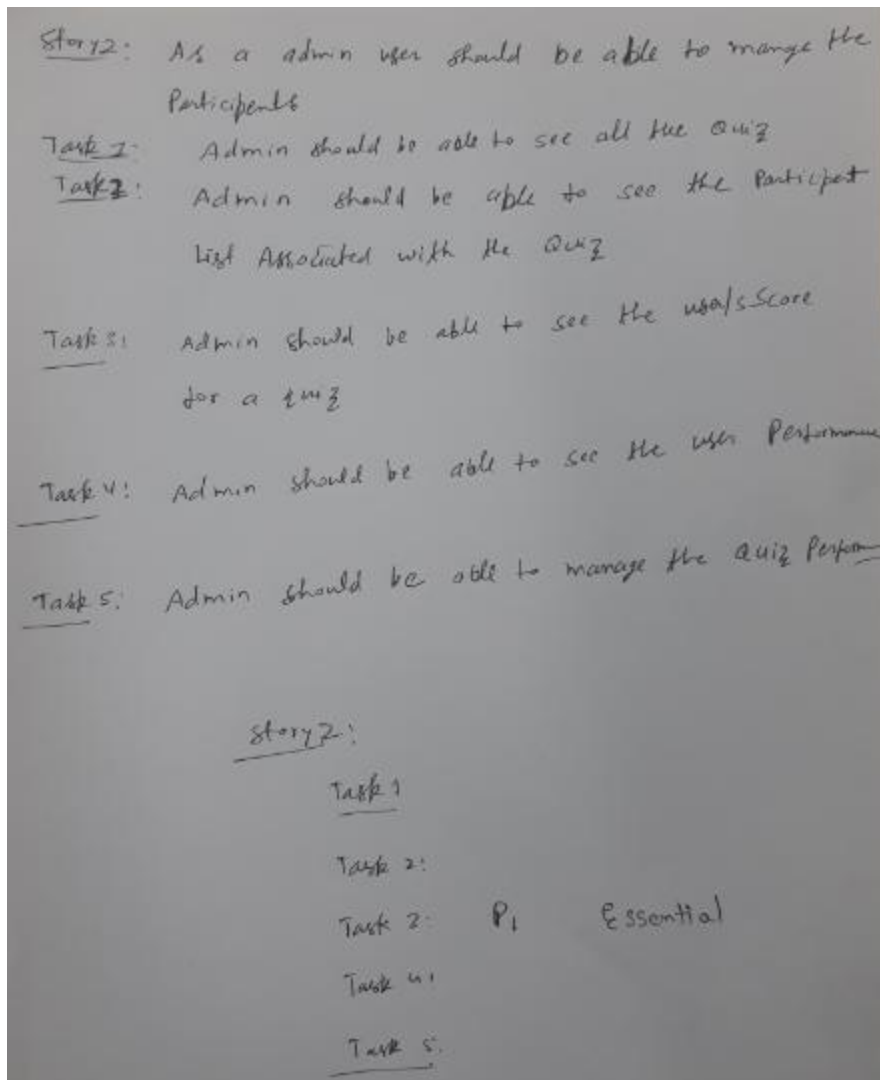
Create a quiz application where multiple users can participate concurrently.

## 2. Objective

Build a scalable, Real time and failover solution.

## 3. User Stories





**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

Questions

---

Quiz	<input type="text" value="..."/>	<input type="button" value="v"/>
Question Title	<input type="text"/>	
Question Description	<input type="text"/>	
Question Code	<input type="text"/>	
Duration	<input type="text" value="0"/>	<input type="button" value="▲"/> <input type="button" value="▼"/>
Question Type	<div>Multiple choice <input type="button" value="v"/></div> <div>Short Answer</div>	
Award	<input type="text" value="0"/>	<input type="button" value="▲"/> <input type="button" value="▼"/>
Penalty	<input type="text" value="-1"/>	<input type="button" value="▲"/> <input type="button" value="▼"/>

Lead or board

## Quiz Configuration

Manual Entry / Upload Quiz

Quiz Name

QuizType

Quiz Date

Start Time

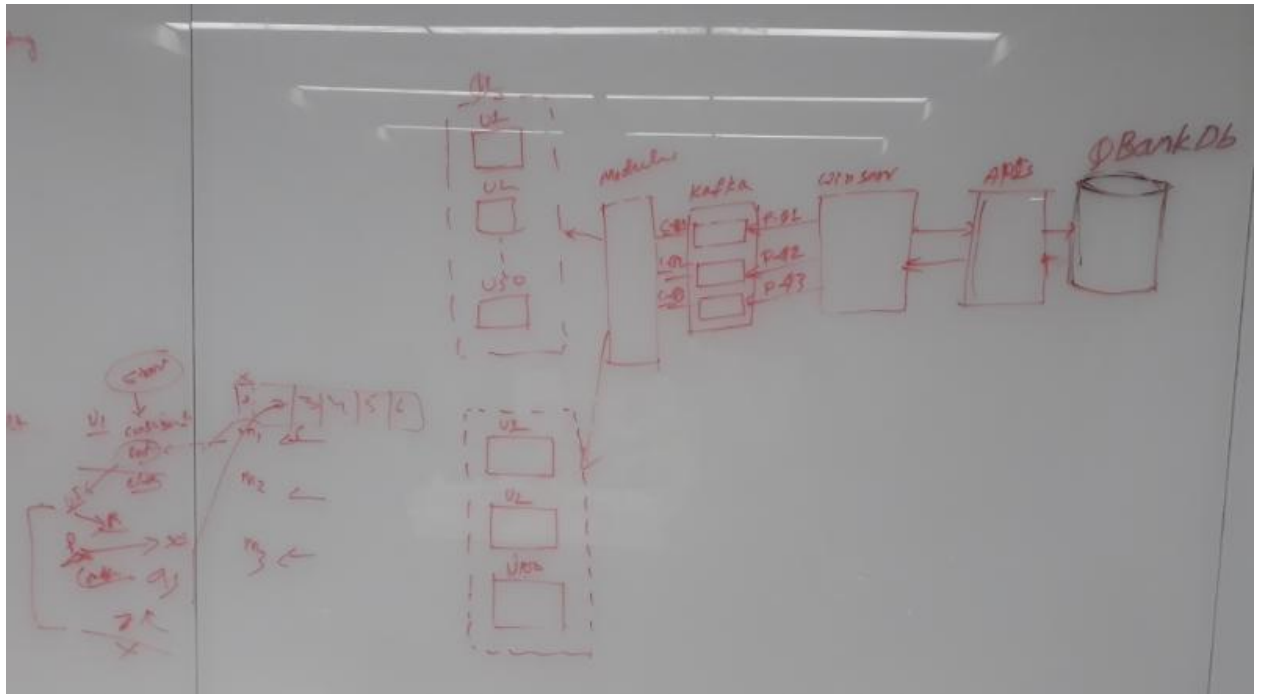
End Time

Password  (optional, in case of Private Quiz)

Submit

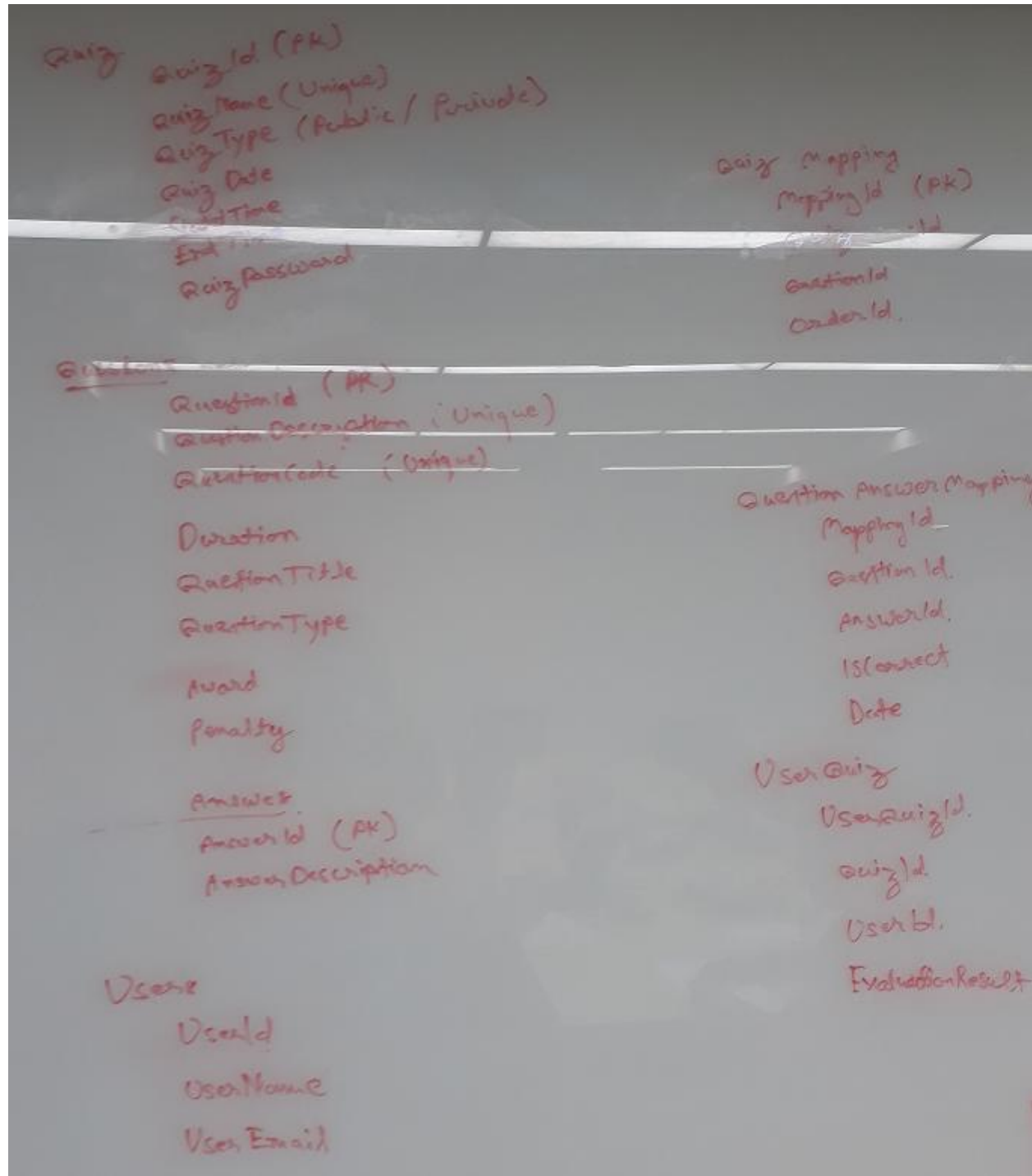
Reset

## 5. Architecture/Flow





## 6. Database Design



## **7. Software/Technologies**

.NET Core

C#

Web API

Kafka

SQL Server

MVC

Angular