Product Requirements Document (PRD): Title: Quiz App

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1. Overview

The Quiz App is a modern web application developed using Django. It allows users to sign up, log in, take interactive quizzes, and view results. Admins can manage quiz content. The app emphasizes UI/UX with animations, icons, and visual effects.

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2. Objectives

- User authentication (sign up, login, logout)
- MCQ-based quiz system
- Real-time score calculation
- Admin panel for managing questions
- Stylish and engaging UI

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3. User Roles

- **Student/User**:
    - Register/login
    - Attempt quizzes
    - View score and feedback
- **Admin**:
    - Manage questions via Django admin
    - View user data

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4. Tech Stack

- **Backend**: Django
- **Database**: SQLite
- **Frontend**: HTML5, CSS3, Bootstrap 5
- **Icons**: Bootstrap Icons
- **Styling**: Custom CSS

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5. Core Features

- Secure signup & login using Django's auth system
- Animated login/signup pages
- Dynamic quiz rendering
- Form validation & CSRF protection
- Auto score calculation on quiz submission
- Result page with score feedback
- Admin: CRUD operations for quiz content

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6. Database Design

Question Model:

```
class Question(models.Model):
    text = models.CharField(max_length=255)
```

Choice Model:

```
class Choice(models.Model):
    question = models.ForeignKey(Question, related_name='choices', on_delete=models.CASCADE)
    text = models.CharField(max_length=255)
    is_correct = models.BooleanField(default=False)
```

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7. UI & UX

- Video background on login/signup
- Modern buttons & transitions

- Icons beside input fields
- Responsive design
- Clean quiz layout with radio buttons
- Score shown in styled result card

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8. Testing

- Manual testing of all user flows
- Form validation and edge case checks
- Result logic verification
- Admin panel operations tested

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9. Future Enhancements

- Add quiz categories (Math, Science, etc.)
- Add timer to quizzes
- Track user progress
- Leaderboard system
- Email notifications & certificates

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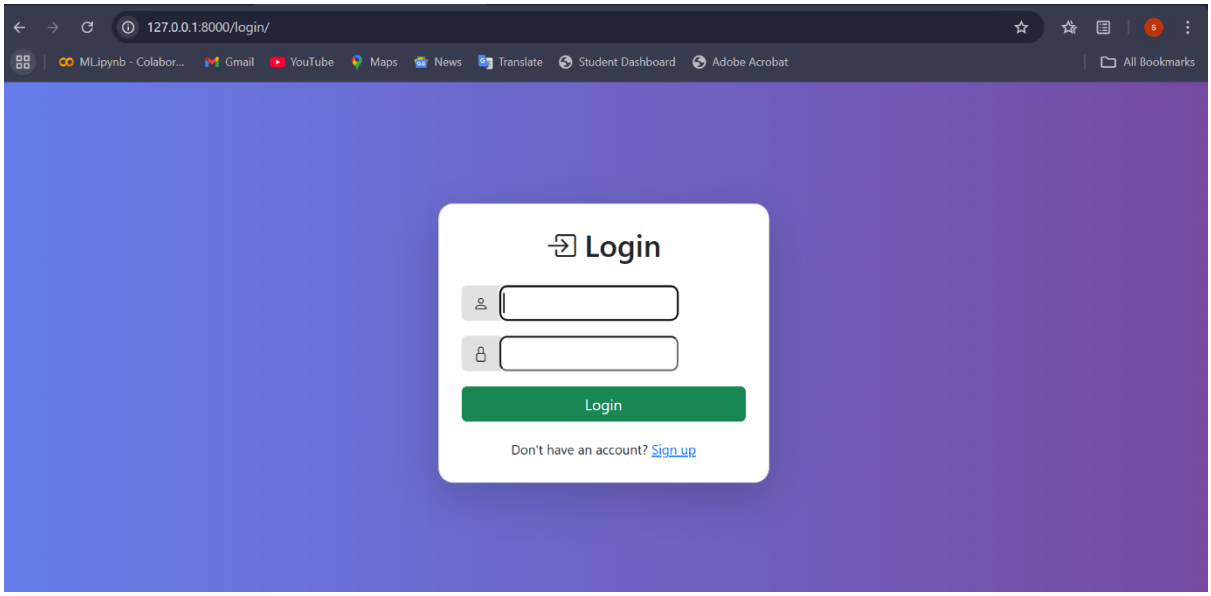
10. Important URLs

- Home/Login: / or /login/
- Signup: /signup/
- Quiz: / (after login)
- Submit: /submit/
- Admin: /admin/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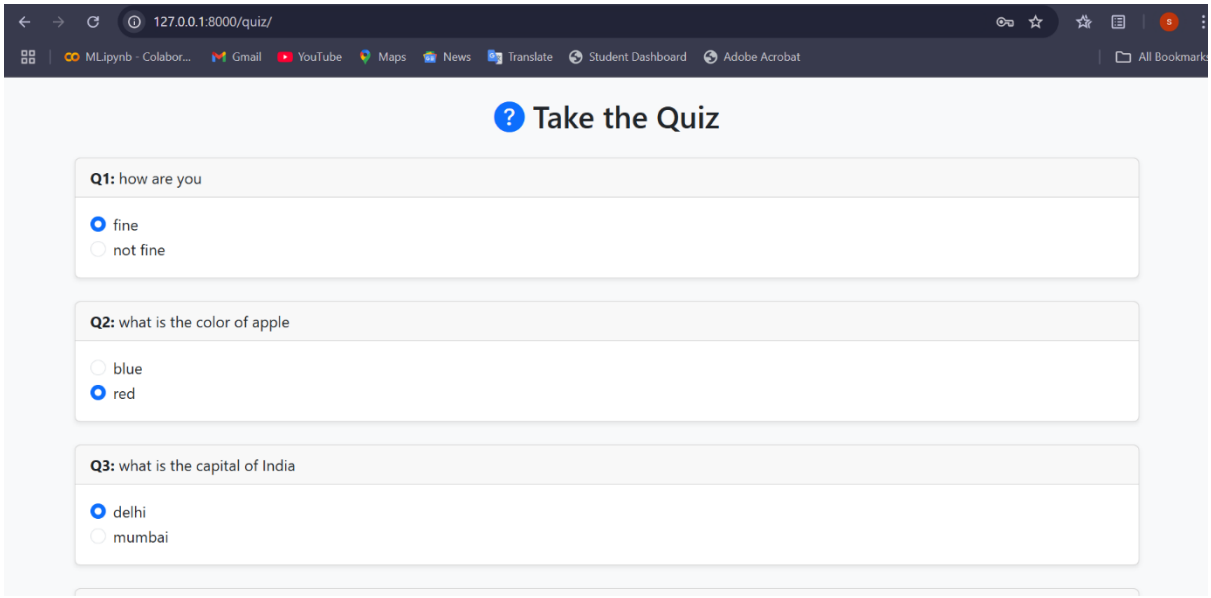
Login
Login
Don't have an account? Sign up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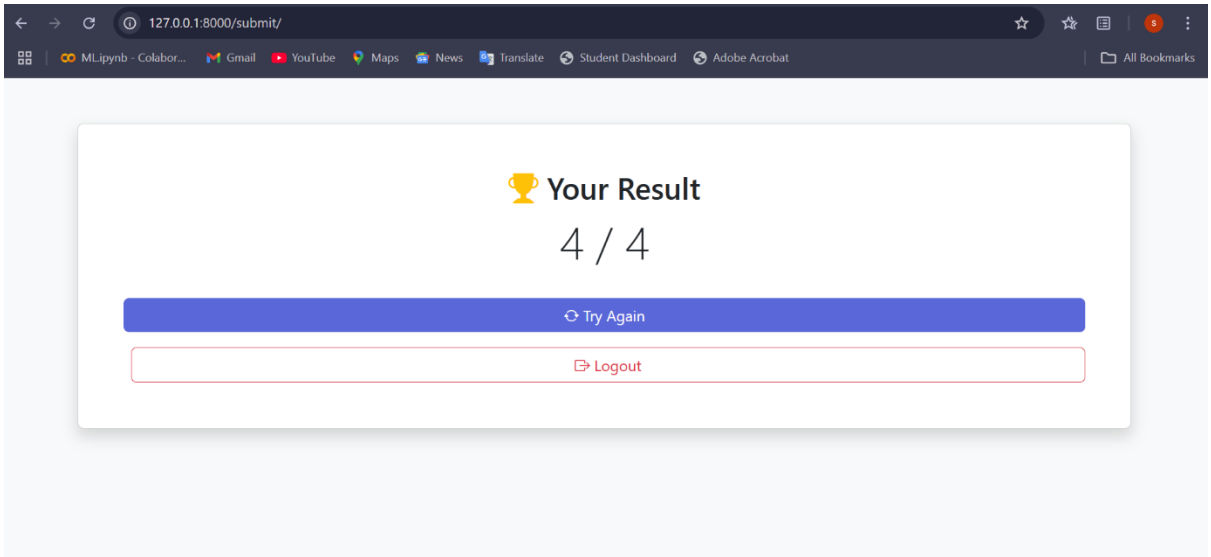
Adobe Acrobat
All Bookmarks
Take the Quiz
Q1: how are you
fine
not fine
Q2: what is the color of apple
blue
red
Q3: what is the capital of India
delhi
mumbai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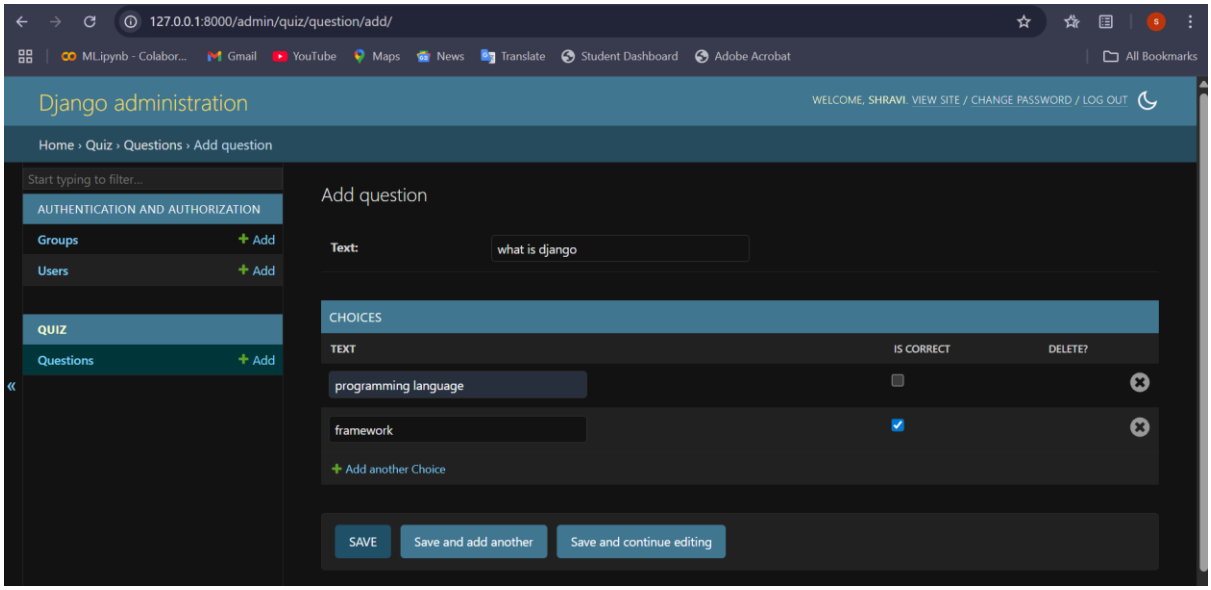
Your Result
4 / 4
Try Again
Logout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ML.ipynb - Colabor...
Gmail
YouTube
Maps
News
Translate
Student Dashboard
Adobe Acrobat
All Bookmarks
Django administration
WELCOME, SHRAVI. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Quiz › Questions › Add question
Start typing to filter...
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
QUIZ
Questions + Add
Add question
Text:
what is django
CHOICES
TEXT
IS CORRECT
DELETE?
programming language
framework
+ Add another Choice
SAVE
Save and add another
Save and continue editing