

Separate Interfaces for User and Admin

User

- Users are the primary users of the application.
- They are having access to certain features and functionalities.
- The user interface for users is kept simple, interactive, and easy to navigate.
- For example, users may only be able to view their own profile, access their Reports, or go for the test.

Admin

- On the other hand, have full access to all features and functionalities of the application.
- They can create, edit, and delete exam data, view all users' reports.
- They can perform other administrative tasks as well.

User Interface

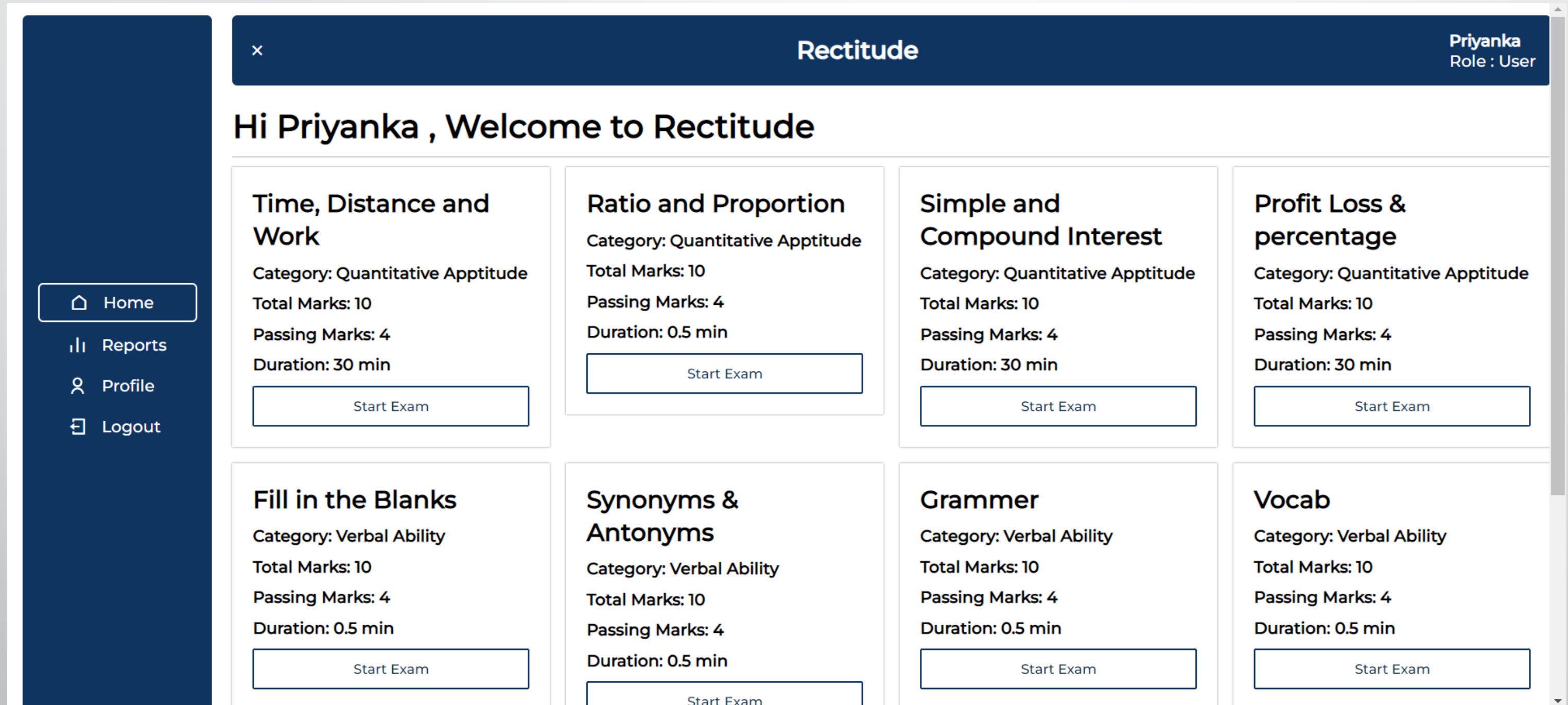


Figure : 1
screen shot of user home page

Admin Interface

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Rectitude

Sourabh Kumar
Role : Admin

Add Exam

Exam Details

Exam Name

Exam Duration

Category

Total Marks

Passing Marks

Select Category

Select Category

Quantitative Apptitude

Verbal Ability

Logical Reasoning

Cancel

Save

Home

Exams

Reports

Logout

Figure : 3
screen shot of add exam page

View all users' reports

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Rectitude

Sourabh Kumar
Role : Admin

Report

Exam

User

Clear

Search

Exam Name	User Name	Date	Total Marks	Passing Marks	Obtained Marks	Verdict
Vocab	Sumit Chauhan	13-05-2023 11:25:17	10	4	8	Pass
Ratio and Proportion	Shiva Chauhan	13-05-2023 11:20:16	10	4	3	Fail
Profit Loss & percentage	Adarsh Kushwaha	13-05-2023 11:19:32	10	4	10	Pass
Profit Loss & percentage	Satyam	13-05-2023 11:16:52	10	4	1	Fail
Synonyms & Antonyms	Deepak Chauhan	13-05-2023 01:48:53	10	4	4	Pass
Simple and Compound Interest	Sonu Chauhan	13-05-2023 01:46:41	10	4	9	Pass
Series	Vikram Chauhan	13-05-2023 01:44:48	10	4	5	Pass
Blood Relation	Krishan Mohan Singh	13-05-2023 01:40:49	10	4	8	Pass

Home

Exams

Reports

Logout

Figure : 5
screen shot of all users' report page

Test Functionality

Timer functionality for test sessions

- Timer is started when user click on start exam button.
- Test is automatically submitted when time up.

Live Result functionality after giving the test

- After the test user have the chance to check or review the answers.

Navigate between the questions

- User can use the "Previous" and "Next" buttons to navigate between questions.

Result of a user

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Rectitude

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Role : User

Time, Distance and Work

Result

Total Marks : 10
Obtained Marks: 7
Wrong Answers : 0
Passing Marks : 4
VERDICT: Pass

Retake Exam

Review Answer




Figure : 7
screen shot of result page

Real time Updation

Register new User

- When a new user register, the user data is collected and stored in 'users' collection which is created in backend.

Add tests and questions

- When we add new tests and questions, the data is stored in 'exams' and 'questions' database collections respectively.

Result updates

- When a user submit the exam, the result is updated in the 'reports' database collection in real time.

Storing Data into Mongo DB

- We are using MongoDB as database for storing users data, questions data and test data for that we are making different models for storing the data in particular manner.

Below are the four collections which are created for storing data:

- 1) Users
- 2) Questions
- 3) Reports
- 4) Exams