

EXPERT BOOST

ONLINE EVALUATION SYSTEM

DESIGNED BY:-

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INTRODUCTION:

Online assessment is the process used to measure certain aspects of information for a set purpose where the assessment is delivered via a computer connected to a network. Most often the assessment is some type of educational test. Different types of online assessments contain elements of one or more of the following components, depending on the assessment's purpose: formative, diagnostic, or summative. Instant and detailed feedback, as well as flexibility of location and time, are just two of the many benefits associated with online assessments. There are many resources available that provide online assessments, some free of charge and others that charge fees or require a membership.

The project aims at creating an online website which acts as performance measure for various aspiring individuals. They can rate their expertise on the web, by comparing their score with others. They can make themselves comfortable by taking evaluation from lower level and going up high in the levels. We also offer to retake the test so as to improve the performance. The test are designed in such a way so that an individual can feel comfortable and can see his expertise growing with the results comparison.

Online evaluation system can also be used by various companies to select the best candidate fit for their job openings. We offer a light and powerful tool that will help in growing the competition among the students so that learning can be fun and competitive.

According to experts in the industry, it's very important to evaluate your mistakes, so as to see the scope of improvement and work in the defined way. Based on this theory we have designed a website known as **"EXPERTBOOST"**.

RELATED WORK:

A lot of market is pre-existing in the online evaluation system. We would like to mention a few whose work is closely related to our work and is really popular in the industry:

- Hacker Rank: (<https://www.hackerrank.com>)
- Code Academy: (<https://www.codecademy.com>)
- Udemey: (<https://www.udemy.com>)

These mentioned market leaders have taken a step to take online evaluation system all together to the next level. Introduction of Analytic tools to evaluate the performance of an individual have really helped them in success today.

TECHNICALITIES:

Front end Design Tools	HTML, CSS and Bootstrap
Client Side Scripting	JavaScript, JQuery and AJAX
Server Side Scripting	PHP
Server Configuration	MAMP
Database	MySQL
Project Management	Asana

DATABASE DESIGN:

Please find below the database design for the website:

	-	Indicates Primary key
	-	Indicates Foreign key
	-	Foreign Key acting Primary key

1. Login Table:

LOGIN		
Columns	Data Type	Size
Username	Varchar	255
LastName	Varchar	255
FirstName	Varchar	255
Email	Varchar	255
pass	Varchar	255

2. Courses Table:

COURSES		
Columns	Data Type	Size
Course_Number	Varchar	255
Domain	Varchar	255
Course_Name	Varchar	255
Level	Int	2
Image	Varchar	255
Price	Decimal	5,2
Time	int	3
Description	Varchar	255

3. Quiz Table:

QUIZ		
Columns	Data Type	Size
Question_Number	Varchar	255
Course_Number	Varchar	255
Domain	Varchar	255
Question_Text	Varchar	255

4. Solution Table:

SOLUTION		
Columns	Data Type	Size
Question_Number	Varchar	255
Course_Number	Varchar	255
Options_value	Varchar	255
Answer	Boolean	1

5. Course Register Table:

COURSE_REGISTER		
Columns	Data Type	Size
Reg_Id	Varchar	255
Course_Number	Varchar	255
Username	Varchar	255
Payment_status	Boolean	1

6. Test Result Table:

TEST_RESULT		
Columns	Data Type	Size
Reg_Id	Varchar	255
Result	Int	3

All the tables are in third normal form (3NF) as mentioned in the requirement dossier

MAIN FUNCTIONALITIES:

General Functionalities:

- User Sign up : Registered a new user to the system with the following checks:
 - User should only be able to add text in the first and last name field.
 - User should have a password from 8-13 characters long with one capital and one number mandatory.
 - User should add @ and . in the email field.
 - User should fill all the mandatory fields in the form.
 - Checked the new username or email address if it's already registered to the system using AJAX.
- Homepage :
 - Has a beautiful image slider which keeps on flashing images related to the website.
 - A list of top 3 popular courses that is been registered by other users.

User Functionalities:

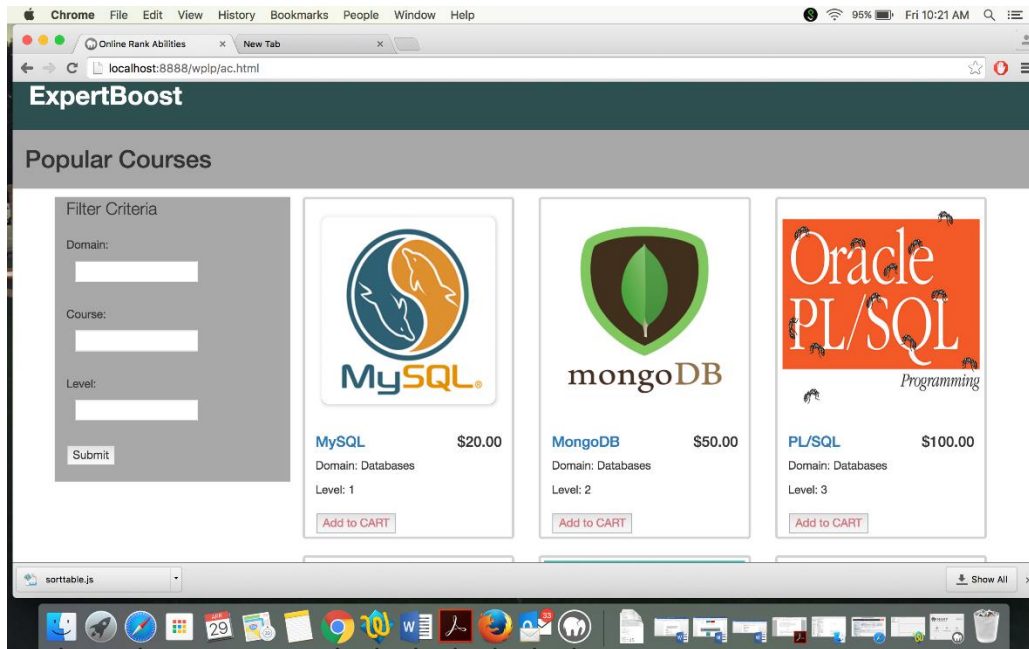
- User is able to see the list of all courses
- User can use filter criteria to limit its search.
- By clicking on the course user is able to see the course description on the page.
- User can add the course to its cart and the system pre-checks the login.
- User can add as many test as he wants but will be able to take test only when he checks out.
- User is not able to register for the test which he has registered but not taken yet but he can take a test again if he has taken the previous test already.
- User can add and Delete items from the Cart and can proceed to checkout.
- While taking test, user is permitted to take test only once, he will not be able to re submit the same test without purchasing.
- A Timer appears on the top while the test is in progress and once the time gets complete the test is auto-submitted.
- User can see the his homepage, in which a list of test to be taken and test already taken(along with their result) appears in the descriptive manner.

Admin Functionalities:

- Admin is able to view all courses offered by the system.
- Admin can use filters to limit his search.
- Admin is able to add a new course or edit already existing one.
- Admin is supposed to add questions to a course along with their options and right answers.

SCREEN SHOTS:

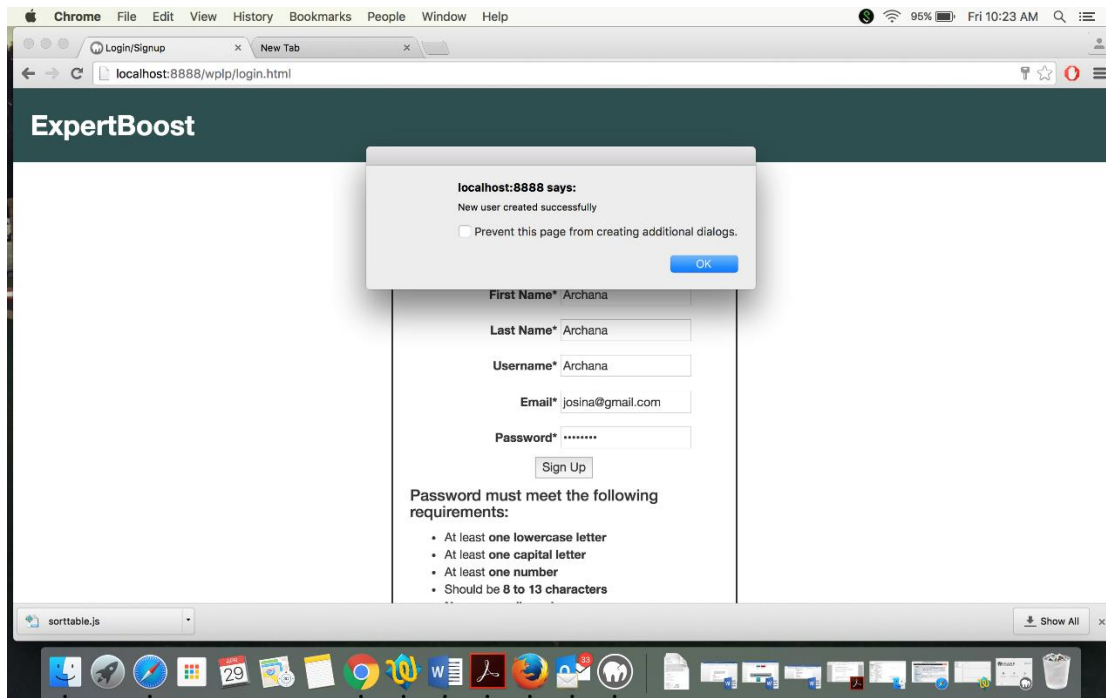
Popular Courses:



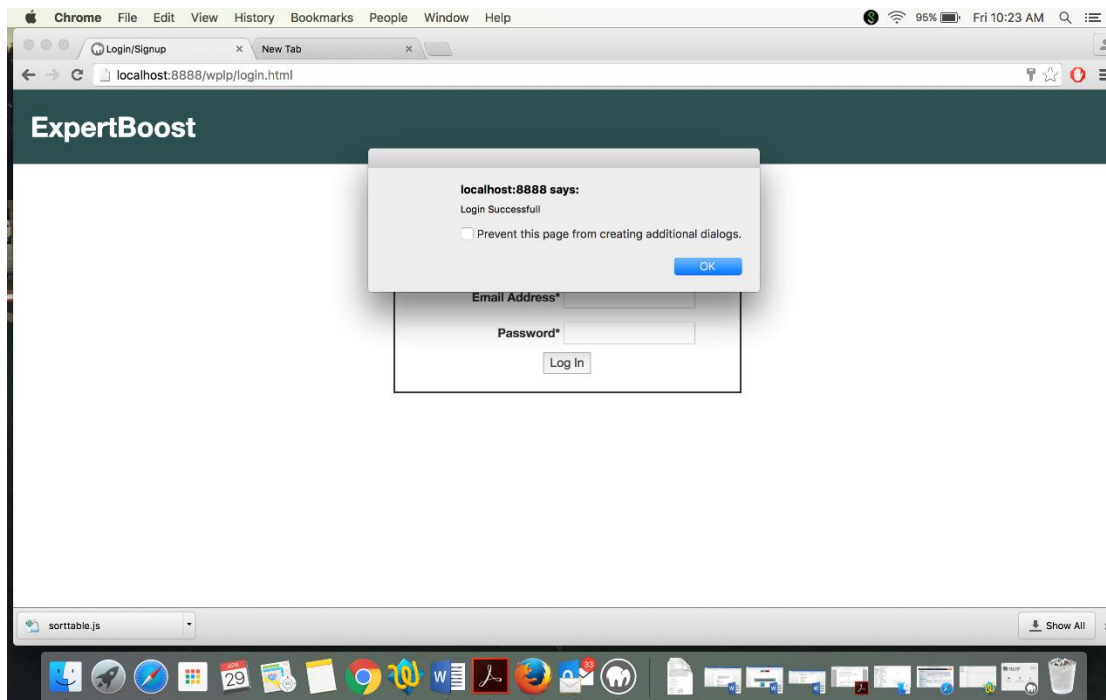
Filters:



Successful User Registration:



Successful User Login:



User Homepage:

The screenshot shows a web browser window with the URL `localhost:8888/wplp/mc.html`. The page header for 'ExpertBoost' includes a 'Find All Courses' button and a user profile 'charu' with a 'Logout' button. The main section is titled 'My Courses'. Under the 'Courses Registered' sub-header, there are three course cards:

- R**: Domain: Programming, Level: 1, Price: \$50.00. The card features a large blue 'R' logo.
- CSS**: Domain: Web Development, Level: 1, Price: \$20.00. The card features a blue circle with a white 'CSS' logo.
- MySQL**: Domain: Databases, Level: 1, Price: \$20.00. The card features a MySQL logo with two fish.

At the bottom of the course list, there is a 'sortable.js' dropdown and a 'Show All' button.

This screenshot shows the 'Courses Completed' section of the user homepage. Above this section, there are three 'Level: 1' boxes, each with a 'Take Test' button. The 'Courses Completed' section displays three course cards:

- MySQL**: Domain: Databases, Level: 1, Price: \$20.00, Result: 33%. The card features the MySQL logo.
- MongoDB**: Domain: Databases, Level: 2, Price: \$50.00, Result: 33%. The card features a green MongoDB logo.
- Java**: Domain: Programming, Level: 1, Price: \$30.00, Result: 75%. The card features a Java logo with a coffee cup.

Similar to the first screenshot, there is a 'sortable.js' dropdown and a 'Show All' button at the bottom of the course list.

Cart:

The image displays two screenshots of a web application named "ExpertBoost".

Top Screenshot (Course Catalog):

- Header:** "ExpertBoost" logo, "My Courses" button, user "charu", and "Logout" button.
- Section:** "Popular Courses"
- Filter Criteria:** Form with fields for "Domain:", "Course:", and "Level:", and a "Submit" button.
- Courses:** Three course cards are shown:
 - MySQL:** Domain: Databases, Level: 1, Price: \$20.00. "Add to CART" button.
 - mongoDB:** Domain: Databases, Level: 2, Price: \$50.00. "Add to CART" button.
 - PL/SQL:** Domain: Databases, Level: 3, Price: \$100.00. "Add to CART" button.

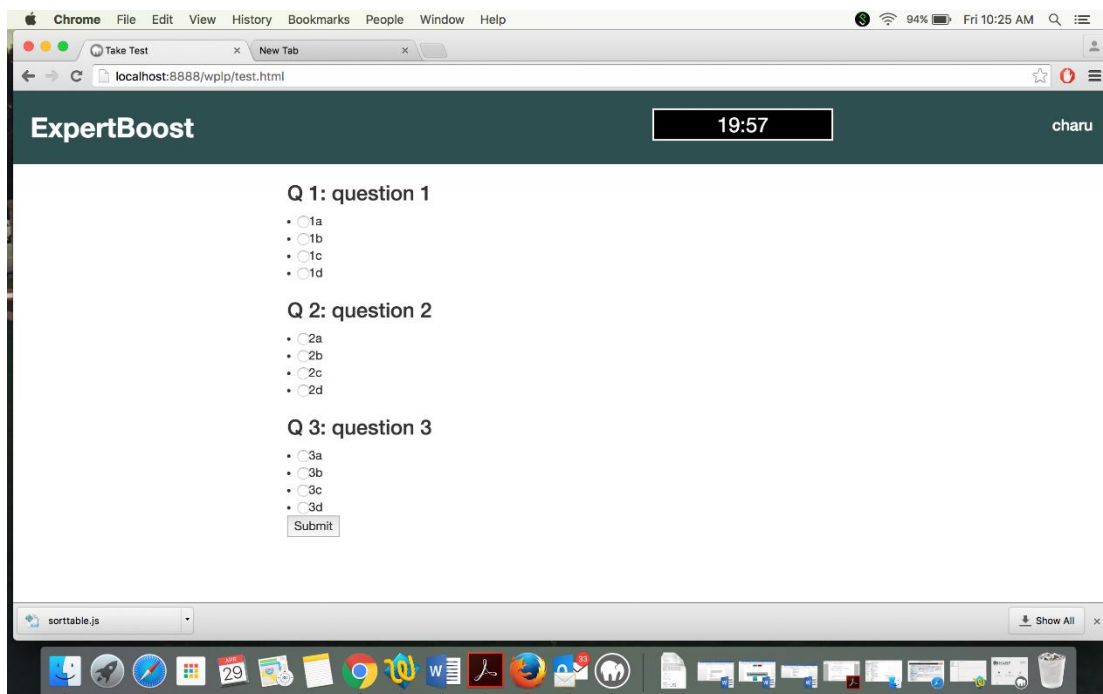
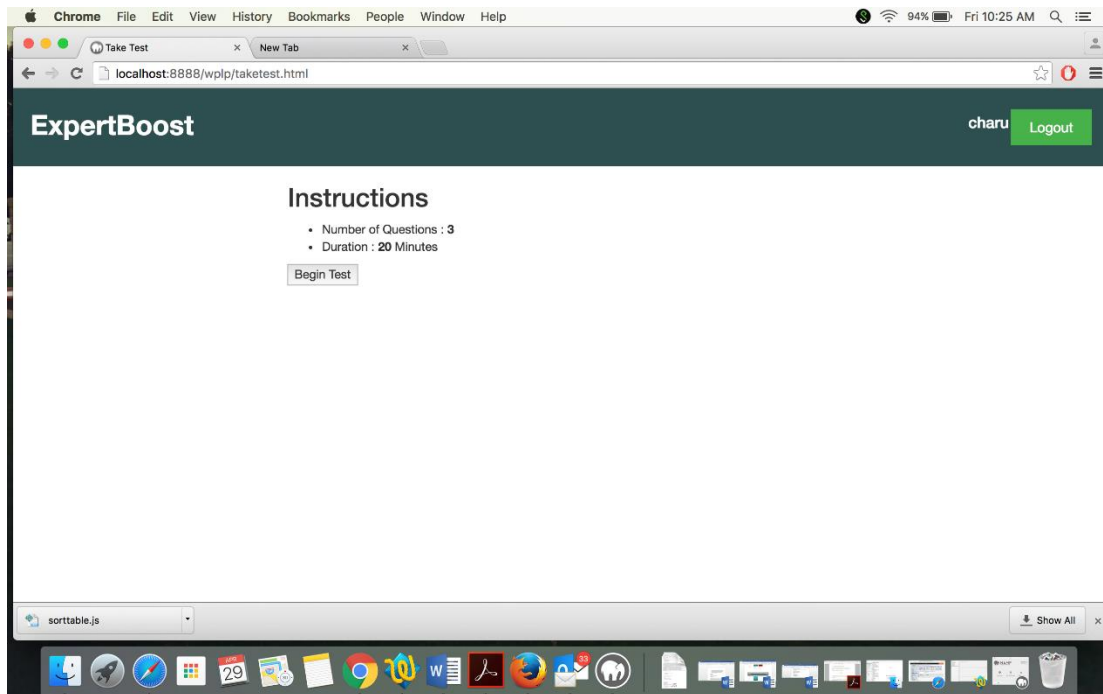
Bottom Screenshot (Cart Page):

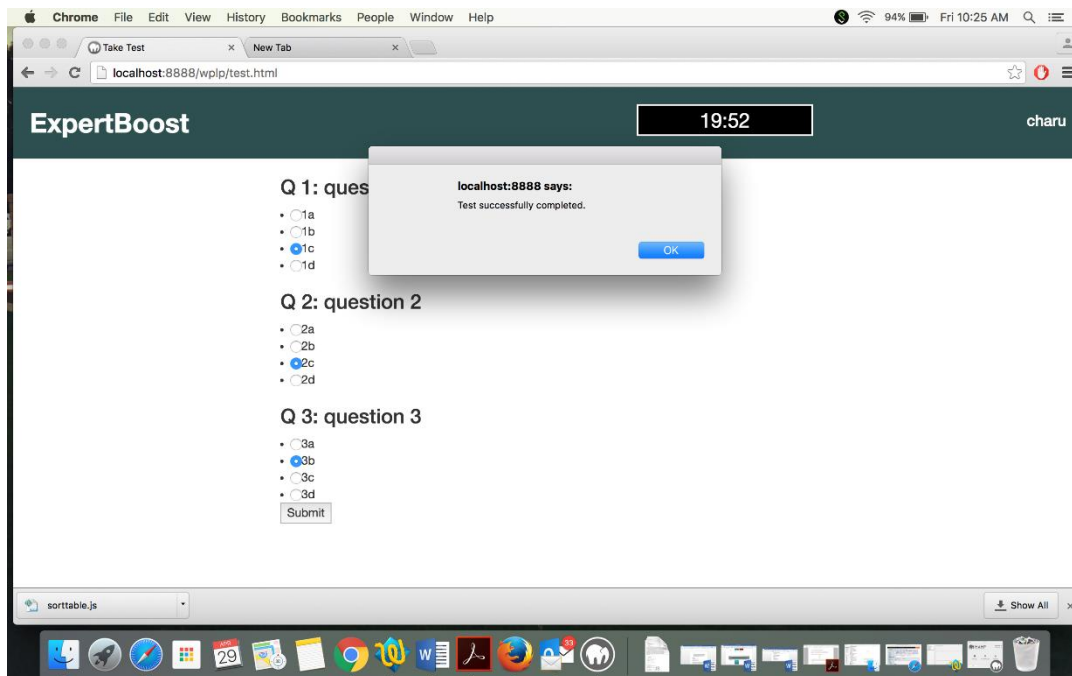
- Header:** "ExpertBoost" logo, user "charu", and "Logout" button.
- Table:** A table showing the items in the cart.

DOMAIN	COURSE NAME	LEVEL	PRICE	
Databases	PL/SQL	3	100.00	Delete

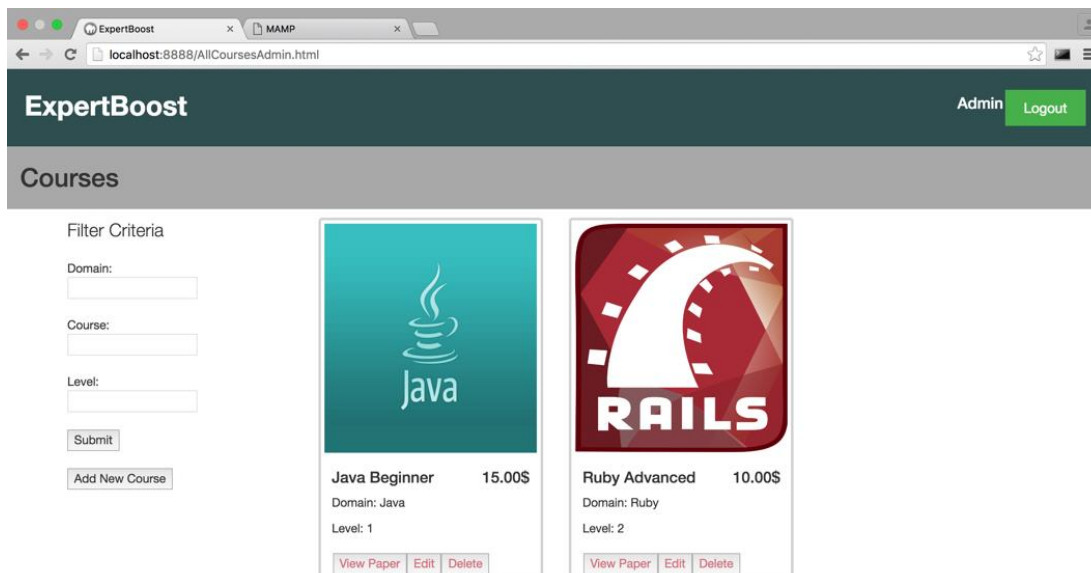
- Buttons:** "Remove All Items from the Cart" and "Checkout".

Test:





Admin View all courses:



Admin Add Course

ExpertBoost Admin Logout

Course Title:

Domain:

Image Link:

Level:

Price:

Time:

Description:

ExpertBoost Admin Logout




Courses

Filter Criteria

Domain:

Course:

Level:

 <p>Java Beginner 8.00\$</p> <p>Domain: Java</p> <p>Level: 1</p> <p><input type="button" value="View Paper"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/></p>	 <p>Ruby Advanced 10.00\$</p> <p>Domain: Ruby</p> <p>Level: 2</p> <p><input type="button" value="View Paper"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/></p>	 <p>Java Advanced 10.00\$</p> <p>Domain: Java</p> <p>Level: 2</p> <p><input type="button" value="View Paper"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/></p>
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Admin Edit Course

AdminEditQuiz x MAMP
localhost:8888/AdminEditItem.html

ExpertBoost Admin [Logout](#)

Course Title:

Domain:

Image Link:

Level:

Price:

Time:

Description:

[Save](#) [Cancel](#)

ExpertBoost x MAMP
localhost:8888/AllCoursesAdmin.html

ExpertBoost Admin [Logout](#)

Courses

Filter Criteria




Domain:

Course:

Level:

[Submit](#)

[Add New Course](#)

 <p>Java Beginner 8.00\$</p> <p>Domain: Java</p> <p>Level: 1</p> <p>View Paper Edit Delete</p>	 <p>Ruby Advanced 10.00\$</p> <p>Domain: Ruby</p> <p>Level: 2</p> <p>View Paper Edit Delete</p>	 <p>Java Advanced 10.00\$</p> <p>Domain: Java</p> <p>Level: 2</p> <p>View Paper Edit Delete</p>
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Admin Delete Course

The screenshot shows the ExpertBoost Admin interface. The browser address bar displays `localhost:8888/AllCoursesAdmin.html`. The page header includes the "ExpertBoost" logo and "Admin" and "Logout" links. The "Courses" section is active, showing a list of courses. On the left, there are "Filter Criteria" with input fields for "Domain:", "Course:", and "Level:", along with "Submit" and "Add New Course" buttons. A confirmation dialog box is overlaid on the course list, titled "localhost:8888 says:", with the message "Are you sure you want to delete this course!". Below the message is a checkbox labeled "Prevent this page from creating additional dialogs." and two buttons: "Cancel" and "OK". The course list contains two items: "Java Beginner" (8.00\$, Domain: Java, Level: 1) and "Java Advanced" (10.00\$, Domain: Java, Level: 2). Each item has "View Paper", "Edit", and "Delete" buttons.

Course Name	Price	Domain	Level	Actions
Java Beginner	8.00\$	Java	1	View Paper Edit Delete
Java Advanced	10.00\$	Java	2	View Paper Edit Delete

This screenshot is identical to the one above, showing the same confirmation dialog for deleting a course. The dialog box is titled "localhost:8888 says:" and contains the message "The course has been deleted". The checkbox "Prevent this page from creating additional dialogs." is still present, and the "OK" button is visible. The background interface, including the course list and filter criteria, remains the same.

Course Name	Price	Domain	Level	Actions
Java Beginner	8.00\$	Java	1	View Paper Edit Delete
Java Advanced	10.00\$	Java	2	View Paper Edit Delete

ExpertBoost Courses

Admin Logout

Filter Criteria


Domain:

Course:

Level:

Submit

Add New Course



Java Beginner 8.00\$

Domain: Java

Level: 1

[View Paper](#) [Edit](#) [Delete](#)

Admin View Question Paper

ExpertBoost

Admin Logout

Domain:Java

Course Name:Java Beginner

Questions

Add Question



1. Question 1

☐ a1

☒ a2

☐ a3

☐ a4



2. Question 2

☐ b1

☐ b2

☒ b3

☐ b4

Admin Add Question

ExpertBoost Admin Logout

Domain:Java

Course Name:Java Beginner

Questions

Add Question

Question: Question 3

Options:

☐ c1

☐ c2

☒ c3

☐ c4

Save Cancel

1. Question 1

☐ a1

☒ a2

☐ a3

☐ a4

2. Question 2

☐ b1

☐ b2

☒ b3

☐ b4

ExpertBoost Admin Logout

Domain:Java

Course Name:Java Beginner

Questions

Add Question

1. Question 1

☐ a1

☒ a2

☐ a3

☐ a4

2. Question 2

☐ b1

☐ b2

☒ b3

☐ b4

3. Question 3

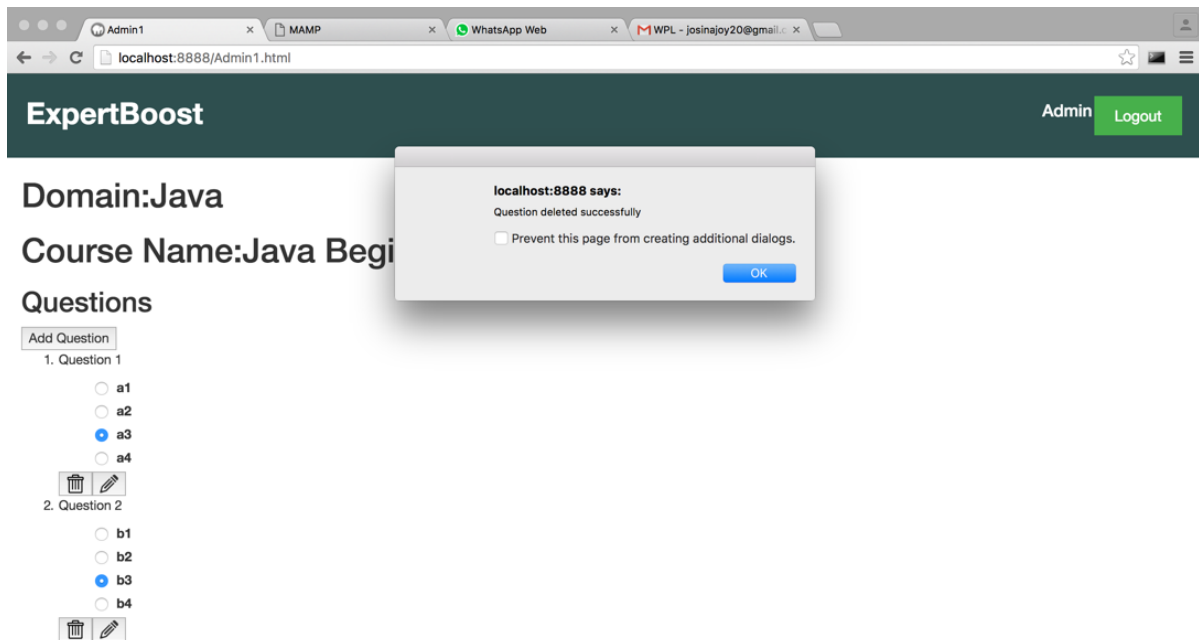
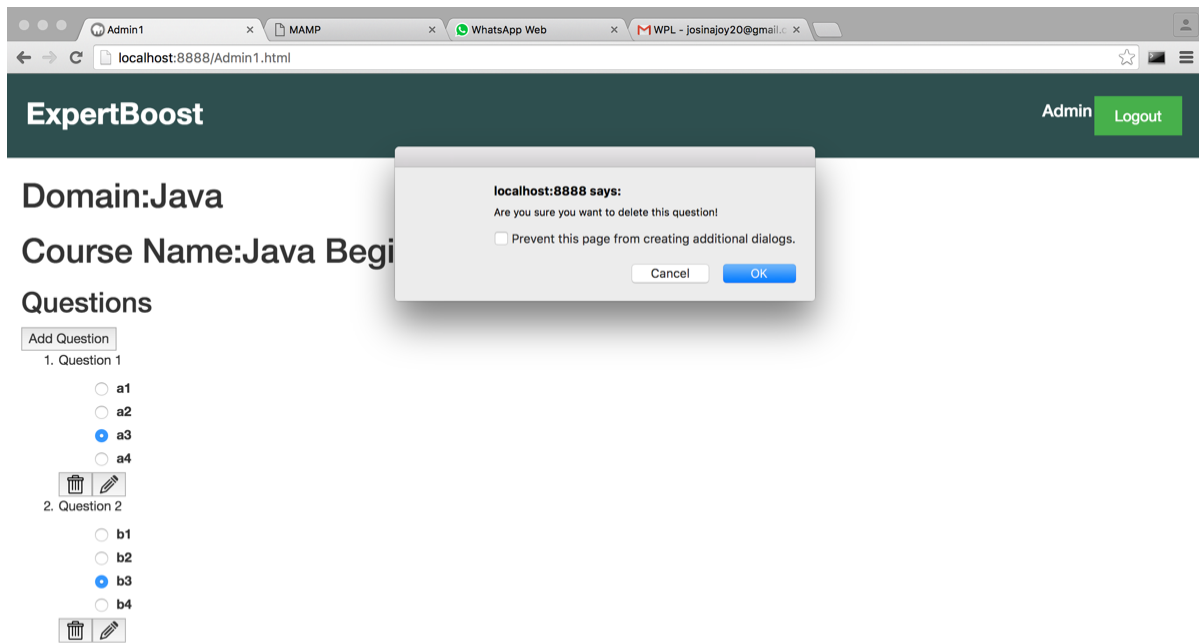
☐ c1

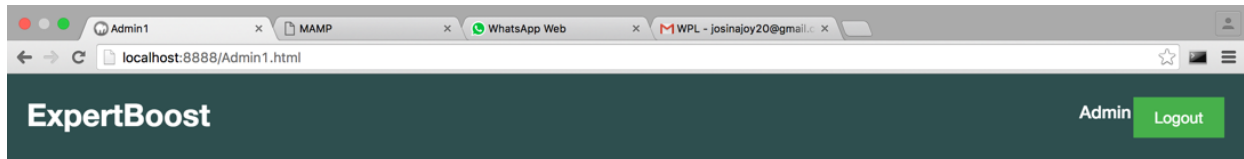
☐ c2

☒ c3

☐ c4

Admin Delete Question





Domain:Java

Course Name:Java Beginner

Questions

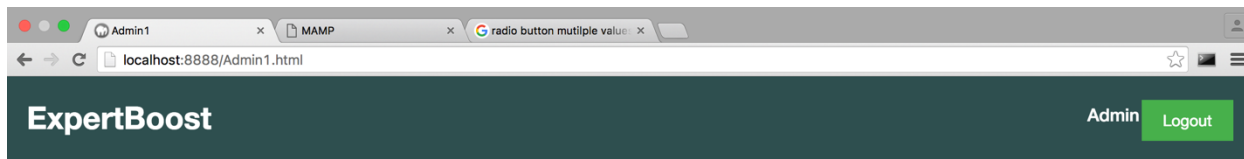
Add Question

1. Question 1

- ☐ a1
- ☐ a2
- ☒ a3
- ☐ a4



Admin Edit Question



Domain:Java

Course Name:Java Beginner

Questions

Add Question

1. Question 1

- ☐ a1
- ☐ a2
- ☒ a3
- ☐ a4

Save Cancel

2. Question 2

- ☐ b1
- ☐ b2
- ☒ b3
- ☐ b4



TEAM MEMBERS AND ROLES:

Team Members	ROLES DEFINED:
Charu Arora(cxa150730)	<ul style="list-style-type: none">> Architecture and Design<ul style="list-style-type: none">> Database Design> Development of Cart>Development of Test>Testing of Website
Josina Joy(jxj150730)	<ul style="list-style-type: none">> Architecture and Design<ul style="list-style-type: none">> Database Design> Development of Login>Development of Admin>Testing of Website
Himanshu Gupta(hxg151930)	<ul style="list-style-type: none">> Architecture and Design<ul style="list-style-type: none">> Database Design> Development of Database>Development of Popular CoursesDevelopment of User Homepage>Report Documentation