



WEB TECHNOLOGIES-II

(UE15CS403)

Project Report

QUESTIONNAIRE PORTAL

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1. ABSTRACT

A questionnaire is a form of a game or a mind sport where a player can attempt to answer questions correctly. It is done in order to improve student's comprehension levels and learning motivation. The app has a very simple structure – a single page app, one question at a time on the screen with four options, a submit button and a continuous score which increases when a correct answer is chosen.

2. FEATURES

- Adaptive questions: Based on the number of consecutive correct/incorrect answers, the level of questions increases/decreases.
- User Authentication and Auto-Login: As an essential feature, user is authenticated before she/he can play the quiz. In case of a refresh, the user is auto logged in.
- Page to show user details: A page to show user's details where the email id and score is displayed.

3. SYSTEM SPECIFICATIONS

Front End:

- Angular JS
- Bootstrap

Back End:

- PHP

4. SAMPLE CODE

Two html files have been created for markup, one has the main markup and the other implements the quiz section. We have also implemented an app.js file for the app logic and a style.css.

The quiz template mainly consists of 2 sections: a quiz section when the quiz is in progress and an intro section when the quiz app is loaded initially.

```
<div class="quiz-area" ng-show="inProgress">
</div>
<div class="intro" ng-show="!inProgress">
  <p>Welcome to the QuizApp</p>
  <button id="startQuiz" ng-click="start()">Start the Quiz
</button>
</div>
```

In app.js we defined a custom directive called *quiz*. It looks like below:

```
var app = angular.module('quizApp', []);
app.directive('quiz', function() {
  return {
    restrict: 'AE',
    scope: {},
```

```

        templateUrl: 'template.html',
        link: function(scope, elem, attrs) {
            //IMPLEMENTATION
        }
    }
});

```

We have implemented the *getQuestion()* method in our quiz directive as follows:

```

scope.getQuestion = function()
{
    var q = quizFactory.getQuestion(scope.id);
    if(q)
    {
        scope.question = q.question;
        scope.options = q.options;
        scope.answer = q.answer;
    }
    else
    {
        scope.quizOver = true;
    }
};

```

The *checkAnswer()* method needs to compare the selected option with the correct answer.

```

scope.checkAnswer = function() {
    if(!$('input[name=answer]:checked').length) return;
    var ans = $('input[name=answer]:checked').val();
    if(ans == scope.options[scope.answer])

```

```
{  
    scope.score++;  
    scope.correctAns = true;  
} else {  
    scope.correctAns = false;  
}  
  
scope.answerMode = false;  
};
```

4. SNAPSHOTS

LOGIN PAGE

Login



Login

Not registered? [Create an account](#)

QUIZ WELCOME PAGE

Quiz-App

Welcome to the QuizApp

Test your general knowledge with our GK Quiz, the test currently contains 10 questions.

You will get 10 point for each correct answer. At the end of the Quiz, your total score will be displayed. Maximum score is 100 points. If you don't get the full score, you'll have an option to try again.

Start the quiz now by clicking on the button below.

Start the Quiz

QUIZ QUESTIONS

Quiz-App

Which is the largest country in the world by population?

- ☐ India
- ☐ USA
- ☒ China
- ☐ Russia

Submit

Score: 0

SCORE DISPLAY

Which is the largest country in the world by population?

- India
- USA
- China
- Russia

THAT IS CORRECT!

Next

Score: 10

INCORRECT ANSWER

Quiz-App

When did the second world war end?

- 1945
- 1939
- 1944
- 1942

SORRY, THAT IS AN INCORRECT ANSWER.

Next

Score: 10

FINAL SCORE DISPLAY

Quiz-App

Quiz is over

Play again

Score: 60