**FINAL YEAR PROJECT PROPOSAL   
[FALL 2015]**

**Summary Table**

|  |  |
| --- | --- |
| **Title of Project** | **Lights From Sahih Bukhari** |
| **Nature of End Product** | Web App |
| **Team Organization** | YouRises Solution |
| **Programming Environment** | 32-bit windows |
| **Programming Languages** | C# |
| **Software Tools** | Visual Studio , SQL Server 2008 |
| **Software Development Model** | Iterative/Agile Model |
| **Data Link Model** | RDBMS |
| **Fault Tolerance** | Verification and Data Validation through White/Black/Grey Box testing |
| **Team Members** | Amin Merchant(58386)  Asfa Akhtar(58358) |

**Accepted / Rejected:**­­ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Total Marks:**­­ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Committee Review:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
  
**Committee Signatures:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Abstract**

We will make a web application in which people will search the sayings of Allah (Hadith-e-Qudsi) and Prophet(P.B.U.H) (Sahih hadith ) through which they will easily solve their issues. We’ll also be inserting a section of dua in this app so that the users could learn duas of every time taught by Prophet (P.B.U H)and they’ll get blessings from Allah.

1. **Introduction**
   1. **Background**

It is a general problem of a modern Muslim that they don’t read about Islam and when they get stuck up in some issues they don’t have time to read a whole book of hadith to get a solution of their problem. So for them we are making an app that will be beneficial for them.

* 1. **Aim of Project /Motivation**

The aim of the project is to make a system which will help users to solve their issues by typing their problems (e.g hadith for excitement) . Instead of reading the book they’ll get everything in app.

* 1. **Comparative survey of Past Work and Current Objective**

|  |  |  |
| --- | --- | --- |
| **#** | **Current Features** | **Proposed Features** |
| 01 | **Manual Logs** | **Categorize hadith as per predefined issues** |
| 02 | **No automated collection of hadith** | **Provide collection of hadith in a sequence.** |
|  |  | **Provide masnoon duas.** |

1. **Features / Challenges presented by the project**
   1. **Your project has ability to do this**
      1. Identify a problems and give you the hadith as per predefined issue
      2. Provide masnoon duas for users

* 1. **Data processing / Calculation procedures**
     1. Implementation of Algorithms. Linear Search

**Reason for using Linear Search**

All the hadith will be searched as per predefined issue .That is why Linear Search is best for searching purpose.

**Complexity of Linear Search**

The complexity of linear Search is O(n).

* 1. **Results and Reports**
     1. Hadith according to searched issue **Nature of End-Product**
  2. **Type:** It will be a Web Application capable of running on any browser except Internet Explorer .
  3. **Applicability / Impact on People’s life**: The product is aimed for the betterment of people in a means that it will provide authentic hadith to them .

1. **Learning Out Comes**

It is a project that incorporates Web application development and a bit of artificial intelligence to help a very moral and social cause.

1. **Methodology**
   1. **Software Development:**  
      Project will be developed using Agile Development
   2. **Code Pattern:**  
       Object Oriented Programming, Structured Programming, and Object Oriented Analysis.
2. **Testing Criteria**
   1. **Test Environment:** Manual Testing
   2. **Testing Approach:** White Box, Black Box& Grey Box.
3. **Project Planning & WBS**
   1. **Time per activity - division in weeks &percentage**

|  |  |  |
| --- | --- | --- |
| **Activity** | **Weeks** | **%age of time** |
| Requirement Analysis | 4 weeks | 15% |
| Design | 4 weeks | 15% |
| Implementation | 8 weeks | 25% |
| Testing | 4 weeks | 13.75% |
| Evaluation | 4 weeks | 12.5% |
| Documentation | 6 weeks | 18.75% |

* 1. **Milestones for Semester One**

|  |  |  |
| --- | --- | --- |
| Week 1 | Find authentic hadith | Find authentic hadith |
| Week 2 | Sorting hadith as per category | Sorting hadith as per category |
| Week 3 | Set up and install required tools | Set up and install required tools |
| Week 4 | Find out the manual logs for visitors | Find out the manual logs for visitors |
| Week 5 | Find Masnoon Duas | Find Masnoon Duas |
| Week 6 | Making categories of dua | Making categories of dua |
| Week 7 | Reviewing all documents | Reviewing all documents |
| Week 8 | Prototyping - paper prototype (Pictive) | Prototyping - paper prototype (Pictive) |
| Week 9 | Data flow diagrams | Logic modeling |
| Week 10 | Decision trees | ERD |
| Week 11 | Database Designing | Database Designing |
| Week 12 | Creating Stored Procedures and making relationship among tables | Creating Stored Procedures and making relationship among tables |
| Week 13 | Application Designing | Application Designing |
| Week 14 | Verification and Validation testing | Verification and Validation testing |
| Week 15 | Algorithm Searching | Algorithm Searching |
| Week 16 | Incorporate internal  Information | Incorporate internal information |

**c. Milestones for Semester Two**

|  |  |  |
| --- | --- | --- |
| **Week** | **Student 1 Task** | **Student 2 Task** |
| Week 1 | Object Oriented Research | Object Oriented Research |
| Week 2 | Object Oriented Implementation | Object Oriented Implementation |
| Week 3 | Testing | Testing |
| Week 4 | Setting user rights | Setting user rights |
| Week 5 | Creating Databases & Testing | Creating Databases & Testing |
| Week 6 | Store hadith in database | Store hadith in database |
| Week 7 | Store hadith in database | Store hadith in database |
| Week 8 | Apply A\* algorithm | Apply A\* algorithm |
| Week 9 | Creating Databases & Testing | Creating Databases & Testing |
| Week 10 | Entering Duas in database | Entering Duas in database |
| Week 11 | Entering Duas in database | Entering Duas in database |
| Week 12 | Creating Databases & Testing | Creating Databases & Testing |
| Week 13 | Code Refractor | Code Refractor |
| Week 14 | SQA Testing | SQA Testing |
| Week 15 | Documentation | Documentation |
| Week 16 | Finalizing | Finalizing |

* 1. **Project Budget & Costing**
  2. **Budget &Costing Model**

The project is expected to cost at least PKR 40,000

* 1. **Revenue Generation**

The expenses would be split in two and the partners would bear them at their own discretion.

* 1. **Project Sponsor**

There are no current sponsors however we might have a software house on board that could either sell or use our system and be willing to invest in exchange of our product or we’ll launch it as an individual company.

**Hardware & Software Requirements**

* 1. **Hardware**
     1. Android
     2. Tablet
     3. General PC
  2. **Software**
     1. Visual Studio
     2. Sql Server 2008

1. **Language & Skills**

|  |  |
| --- | --- |
| **Language / Skill** | **Expertise Level** (out of 10) |
| C# | 8 out of 10 |
| SQL Server | 7 out of 10 |

1. **References**