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| Snipe IT Solution |
| SRS Document For Elephanttree Online Training Application  (EOTA) |
| 2017-18 |

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**1.  Introduction**

**1.1 Purpose**

The purpose of this software requirements specification is to verify that all the specifications are correct and are verified. This document also serves to ensure that the software is traceable throughout its software development life cycle.

* Intended Audience: This SRS would be used by the following people
* Developers: The developers would use this document to implement the functionalities and to ensure traceability of the software.
* Testers: The testers would use this document to know the interfaces and to test the software accordingly.
* Users: The users would use this document to verify if the requirements specified satisfy their needs.
  1. **Scope**
* The proposed software product is the ElephantTree Online Training Application**.** ElephantTree Online Training Application is one repository where students and employees can view the courses and get certificates as their merit by giving online mock tests.
* The application will be used to grow up skills in
  + - Academic,
    - Technical

And

* + - Management.
* This project has a lot of scope for future development. Features like ability to download PDF files and videos and many more such functionalities can be implemented in the later versions of the software.
* Admin can upload Videos for presentations.
* One of the most attractive thing is Reference Code. Students and Employees can less their payment amount by this code.

**1.3 Overview**

* This Software Requirements Specification (SRS)is the requirements work product that formally specifies Elephanttree Online Training Application (EOTA).
* It includes the results of both business analysis and systems analysis efforts Various techniques were used to elicit the requirements and we have identified your needs, analyzed and refined them.
* The objective of this document therefore is to formally describe the system’s high level requirements including functional requirements, non-functional requirements and business rules and constraints. The detail structure of this document is organized as follows:

**2.  General Description**

**2.1 Product Perspective**

* This Elephanttree Online Training Application (EOTA) is a self-contained system that manages activities of the Videos, Documents and Information, as well as students information and account details also.

**2.2 Product functions**

The product functions will include the following areas:

The whole project based on mainly two stages

1. Admin Portal
2. Student Portal

**Admin Portal:**

It have to register admin portal page that consists of the following modules:

* Name
* Email id
* Phone Number
* Photo
* Password
* Repassword
* Submit (Button)

After creating admin registration admin can login with his email id and password. After login the tutorial uploader page will be opened. The page contains the following:

* Admin can edit the video tutorials and PDF
* Admin can view the student details and download their documents.
* Admin can activate or deactivate reference code block.

The application is capable enough to store data and also perform some editng on them that is added. It will be having user friendly GUI’s that will guide the user to easily achive the same. This program is a menu driven program. When we click the main menu the different forms will be enabled.

**Student Portal:**

Student have to register student portal page to access the website that consists of the following modules:

* Student Name
* Email id
* Phone Number
* Photo
* Password
* Repassword
* Submit (Button)

After creating student registration student can login with his email id and password. After login the tutorial uploader page will be opened. The page contains the following:

* Registered student can visit the demo video tutorials.
* Registered student can access materials and can download as their requirement courses after **Payment**.
* Registered student can add edit and delete their details.
* Registered student can download certificate and can view their score after giving mock test and passing the cutoffs.

**2.3 Design Constraints**

* **Database** **:**  
  The system shall use the MSSQL SERVER Database.
* **Operating System**   
  The Development environment shall be Windows 10.
* **Web-Based**   
  The system shall be a Web-based application.

**3. Interface Requirements**

**3.1 User Interface:-**

* The software provides good Graphical User Interface for the user any administrator can operate on the system, performing the required task such as create, update, viewing the details of the organization data

**3.2 Hardware interface:-**

* Operating system : window
* Hard disk : 500 GB
* RAM : 4MB
* Processor : i-5 fourth gen

**3.3 Software interface :-**

* MVC 5
* JQUERY
* Visual Studio 2017
* MS SQL server2008

**4. Non- functional Requirement**

**4.1 Performance**

* **Response Time: -**  
   The system take minimal time to response.
* **Capacity: -**   
   The System must support 1000 people at a time.
* **User- interface: -**  
   The user-interface screen shall respond within 5 seconds.
* **Conformity :-**  
  The systems must conform to the Microsoft Accessibility

**4.2Security**

* **EOTA admin/Students Identification:-**   
   The system is secured of admin or students details and documents.
* **Logon ID: -**  
   Any user who uses the system shall have a Logon ID and Password.
* **Payment: -**  
  Every student has to pay for accessing the tutorials and videos and PDF.

**4.3Reliability**

* How general the form generation language is Simplicity vs. functionality of the form language= Speeds up form development but does not limit functional.

**4.4Availability**

* The system shall be available all the time.

**4.5Safety**

* Humans are error-prone, but the negative effects of common errors should be limited. E.g., users should realize that a given command will delete data, and be asked to confirm their intent or have the option to undo.

**4.6Software Quality**

* Good quality of the of framework(.net platform and entity framework) and robust, bug free software which contains all necessary requirements Customer satisfaction.

**4.7Reusability**

* Is part of the code going to be used elsewhere= produces simple and independent code modules that can be reused

**4.8Maintainability**

* **Back Up**  
   The system shall provide the capability to back-up the Data.
* **Errors**  
  The system shall keep a log of all the errors.