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| Close-up image showing the leaf-sides of two oversized books side-by-side on a bookshelf, with additional books in soft focus background |
| TutorialHub  SRS |
| |  |  |  | | --- | --- | --- | | PARMAR GAUTAM & GHEENAIYA ROSHAN |  |  | |

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4. **Introduction**

The introduction of the Software Requirements Specification (SRS) provides an overview of the entire SRS purpose, scope, definitions, acronyms, abbreviations, references and overview of SRS.A **Software Requirements Specification (SRS)** - a requirements specification for a software system - is a complete description of the behaviours of a system to be developed. It includes a set of use cases that describe all the interactions the users will have with the software. Use cases are also known as functional requirements. In addition to use cases, the SRS also contains non-functional (or supplementary) requirements. Non-functional requirements are requirements which impose constraints on the design or implementation (such as performance engineering requirements, quality standards, or design constraints). The aim of this document is to gather and analyse and give an in-depth insight of the complete Marvel Electronics and Home Entertainment software system by defining the problem statement in detail. This is a documentation of the project **TutorialHub** done sincerely and satisfactorily by my group members.

* 1. **Purpose**

We provide university related material in our site.

Also student can learn other material which is related to other university.

User can easily visit our site and easily search material.

User can view the Tutorials and download.

User can give the Online-Quiz.

Users can learn in simple and quick manner.

* 1. **Scope**

Easy Learning with clear, crisp and to-the-point content on a wide range of technical and non-technical subjects without any preconditions and impediments.

The website enable to performs the following function:

* Tutorials
* Download Materials
* Online-Quiz
* Ask Questions
  1. **Definitions, Acronyms, and Abbreviations**

**SRS** A **software requirements specification** (SRS) is a document that describes what the software will do and how it will be expected to perform.

**IEEE:** Institute of Electrical and Electronics Engineers

**HTML:** Hyper Text Markup Language

* 1. **References**

1. **IEEE SRS Format**
2. [**www.Tutorialpoint.com**](http://www.Tutorialpoint.com)
3. [**www.W3Schools.com**](http://www.W3Schools.com)
4. [**www.Javatpoint**](http://www.Javatpoint)
5. [**www.Google.com**](http://www.Google.com)
6. **Overall Description**
   1. **Product Perspective**

The product is open source. The TutorialHub portal System provides simple mechanism for users to acquire knowledge.

When offline education is closed in schools and colleges due to coronavirus covid-19 With the help of the website, students can study and learn their subjects in simple language and At a time when education is becoming more expensive and poor students cannot afford it  
Students who are short of money can easily enhance their knowledge by using this website.

* 1. **Product Functions**

The following are the main features that are included in Website

* User can view the different types of tutorials and it is sub tutorials.
* User can view the information and contact detail of TutorialHub website.
* User can download different types of tutorials materials files.
* User can view the site address & contact no. and ask question to admin.
* User can give Online-Quiz.
  1. **User Characteristics**

**Education Level:** At least user of system should be comfortable with English language because all material is provide in English language only.

It is considered that the user do have the basic knowledge of operating the internet and to have access to it.

* 1. **General Constraints**

**Software constraints:** The system will run under windows 98 or higher platforms of operating system.

* 1. **Assumption and Dependencies**

Software is dependent on access to internet.

User having a valid Email id to access the software.

This software highly depends on type and version of browser being installed in the system i.e. browser version should be used which have HTML5 support.

1. **Specific Requirements**
   1. **External Interface Requirements**
      1. **User Interfaces**

**Tutorials**

* User can view the different types of tutorials and it is sub tutorials.

**About us**

* User can view the information and contact detail of TutorialHub website.

**Download materials**

* User can download different types of tutorials materials files.

**Contact us**

* User can view the site address & contact no. and ask question to admin.
  + 1. **Hardware Interfaces**

Device should be enable with Internet.

**Hardware Requirements:**

|  |  |
| --- | --- |
| System | Windows 7,8 or Higher Version |
| Processor | 2.0 GHZ processer or above |
| Hard Disk | 500GB |
| RAM | 4GB |

* + 1. **Software Interfaces**

The usre’s browser should be HTML5 compatible for a satisfactory user experience.

**Software Requirements**

|  |  |
| --- | --- |
| Back End | MYSQL |
| Front End | PHP, HTML, JavaScript, CSS, JQuery |
| Supported Tools | Web Browsers, Editor like Sublime, Netbeans IDE 8.2, Xamp or Wamp Server ,Active Internet Connection |

* + 1. **Communication Interfaces**

This project support all types of web browsers.

* 1. **Functional Requirements**

**(1) Functional-Requirement:-**

* Admin login.
* Admin can edit his profile.
* User can view the different types of tutorials without login.
* User can send feedbacks.
* User download tutorial without login.
* Any one gives Online-Quiz.

**(2) Non functional-Requirement :-**

* Forgot password is not available in test id.
* Time limit is not fixed during the test.
  1. **Performance Requirement**
* **User Satisfaction:** - The system is such that it stands up to the user expectations.
* **Response Time:** -The response of all the operation is good. This has been made possible by careful programming.
* **Error Handling**: - Response to user errors and undesired situations has been taken care of to ensure that the system operates without halting.
* **Portable:** - The software should not be architecture specific. It should be easily transferable to other platforms if needed.
* **User friendliness:** - The system is easy to learn and understand. A native user can also use the system effectively, without any difficulties.
  1. **Design Constraints**

There are a number of factors in the client’s environment that may restrict the choices of a designer. Such factors include standards that must be followed, resource limits, operating environment, reliability and security requirements and policies that may have an impact on the design of the system. An SRS (Software Requirements Analysis and Specification) should identify and specify all such constraints.

* **Standard Compliance:** - This specifies the requirements for the standards the system must follow. The standards may include the report format and accounting properties.
* **Hardware Limitations:** - The software may have to operate on some existing or predetermined hardware, thus imposing restrictions on the design. Hardware limitations can include the types of machines to be used, operating system available on the system, languages supported and limits on primary and secondary storage.
* **Reliability and Fault Tolerance:** - Fault tolerance requirements can place a major constraint on how the system is to be designed. Fault tolerance requirements often make the system more complex and expensive. Requirements about system behavior in the face of certain kinds of faults are specified. Recovery requirements are often an integral part here, detailing what the system should do I some failure occurs to ensure certain properties. Reliability requirements are very important for critical applications.
* **Security:** - Security requirements are particularly significant in defense systems and database systems. They place restrictions on the use of certain commands, control access to data, provide different kinds of access requirements for different people, require the use of passwords and cryptography techniques and maintain a log of activities in the system.
  1. **Attributes**
  2. **Other Requirement**

Software should satisfy following requirements as well: -

* SECURITY
* PORTABILITY
* CORRECTNESS
* EFFICIENCY
* FLEXIBILTY