SOFTWARE ENGINEERING LAB

(CSE – 305L)

PROJECT TITLE : CRICKET SCORE TRACKER

SOFTWARE REQUIREMENTS SPECIFICATION

(SRS)

Team Members
AP19110010357 – Manthena Koushik Varma
AP19110010364 – P Vikas reddy
AP19110010371 – M Sidhu Shiva Mahan reddy

TABLE OF CONTENTS

1. <u>Introduction</u> :

This document is used to specify all the Software requirements specification to build a Cricket score tracker(CST). This site is used to check scores of live cricket matches, results of previous matches and individual performance of players.

1.1 Purpose :

This document demonstrates features of the "Cricket Score Tracker", which can be used as reference by the developers and by clients as Software validation document.
This document can be used by -
i. Regular users
ii. Admins
iii. Clients
iv. Software testers

1.2 Scope :

Cricket score tracker web application is used to check scores of live cricket matches, results of previous matches and individual performance of players. Interface will be user friendly and will be unique when compared with other competencies that are being used currently.

1.3 Definitions, Acronyms, and Abbreviations :

SRS- Software Requirement Specification
GUI- Graphical User Interface
CST - Cricket Score Tracker

1.4 References :

www.google.co.in
www.wikipedia.com
IEEE. Software Requirements Specification Std. 830-1993.

1.5 Overview :

Section 1.0 - Discusses the purpose and scope of the software.
Section 2.0 - Describes the overall functionalities and constraints of the software and user characteristics.
Section 3.0e - Details of all the requirements needed to design the software.

2. <u>The Overall Description</u> :

2.1 Product Perspective :

Cricket Score Tracker is an independent platform which can be used to check cricket scores. People in various countries can also check scores of matches between other countries. It does not require any subscriptions. Administrators are responsible for updating scores, results of the matches, etc.

2.2 Product Functions :

Users - Check scores of live matches or previous matches, check man of the match, information about a particular player or details of a match like venue, date, umpires, etc.
Admin - Add or update details of a matches, players. Update live scores of each team and individual players.

2.3 User Characteristics :

It does not require any specific computer knowledge to use it except the developers and administrators of it. Standard users are thought to be from any age, any gender and from any nationality who can use just a computer's browser. On the other hand, administrators and potential developers need a high level of expertise to understand the web.

2.4 Constraints :

Major constraints of the software are -
1. The system should run Windows 8 or above versions.
2. Can only be used on browsers like Chrome, edge, firefox.
3. System should be connected to the internet.

3. <u>External interface Requirements</u> :

3.1 User interface Requirements:

The interface provided to the user should be a very user-friendly one and it should provide every detail requested by the user.
No login details or authentication is required for the interface.
The home screen interface contains live matches, upcoming matches and recent matches list. We can check the details of any match by just clicking on the respective match.
In more options we can browse the details of match schedules , rankings regarding a series, specific team or a specific player, in detail.
Administrator is provided with a screen that enables him to fill data regarding matches.

3.2 Hardware interface Requirements:

As it is a web browser no hardware interface requirements are needed.

3.3 Software interface Requirements:

Windows 8 or later*
RAM: 2GB
1 GB free disk space
Display: Minimum 1024px x 768px screen resolution
Broadband connection
Minimum 20 – 30kbps Download
Minimum 10 – 20 kbps Upload

3.4 Communication Interface Requirements:

No communication interface Requirements are needed as this website is just an information provider regarding cricket matches.

4. <u>System features</u> :

4.1 Interface management :

User perspective:
Authentication is not required for the user to enter into the browser. User job is just to check the scores and entire details regarding cricket with just a click.
Admin perspective:
Authentication is required for the admin to enter the website to modify the scores and other details.
At the start, the admin is provided with a login screen and he is required to enter his login details which are then verified by the system.In case of an unsuccessful attempt a user is asked again for his credentials but the maximum number of attempts given to the user is limited to 3 only.
 After a successful log in, the admin is directed towards a main page that displays a set of options/services enabling the admin to modify their functioning. The user can select any of the listed options and can continue with the data modification.
The machine also provides the user with a number of miscellaneous services like:At any moment if the user wants to abort the modification, he is provided with an option to cancel it.
Just by pressing the abort button he can cancel all the changes made so far and can begin with a new modification.After the user is finished with his work, for security purposes, he is required to log out.

4.2 Validity Checks:

In order to gain access to the system, the admin is required to enter his/her login details and the admin can access only one account at a time.

4.3 Sequencing Information :

The information about the admin and his account should be entered into the database prior to any of the modification and the backup be maintained for all account information

4.4 Error Handling/ Response to Abnormal Situations :

If any of the above validation/sequencing flow does not hold true, appropriate error messages will be prompted to the user for doing the needful.

5. <u>Conclusion</u> :

It is presumed that the application functions admirably and fulfills the end clients. This interface is simultaneously accessed from more than one system. Simultaneous login from more than one place is tested.This framework is easy to use so everybody can utilize without any problem. Appropriate documentation is given. The end client can undoubtedly see how the entire framework is carried out by going through the documentation. The framework is tried, carried out and the presentation is viewed as good. All essential results are produced.