**Requirements Analysis Document**

**Version 1.0**

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**23.09.2020**

**Non Functional Requirements**

1. **Performance Requirements**
2. Time frame within which the webapp should load
3. The app work with mobile device
4. Browser notifications
5. If we have visitors from across the globe, we need to know how our website performs in different parts of the world on an increasing multitude of devices.
6. Website speed performance metrics

Time to title

The amount of time between the instant a visitor requests your website and the moment your site's title shows up in their browser tab is called the time to title.

Time to start render

The time elapsed between a user's request and the moment when content appears in their browser is called time to start render.

Time to interact

The time between a request and the moment when a user can click on links, type in text fields or scroll the page is called time to interact.

DNS lookup time

The amount of time it takes for your DNS provider to translate a domain name in to an IP address.

Connection time

The time between a request and when a connection is established between the user's browser and your origin server is called the connection time.

1. Content complexity and website performance metrics

Overall weight

The total number of bytes the user receives is referred to as the overall weight of your website.

1. User behaviour and website performance metrics

Error rate

The first important non-speed related metric to keep an eye on is your website's error rate. The average number of problem requests compared to total requests is your error rate. This metric is likely affected by your number of concurrent users; test your website's performance under different loads to check.

Top pages

You can find out which of your pages draws the most traffic by simply checking under the **Behaviour section of Google Analytics**. Knowing where users focus their attention can give you an idea of which content is helping you retain an audience.

Conversion rate

 It lets you know if users are doing what you want them to do when they visit your site. A Conversion rate is calculated by simply dividing your number of unique visitors by your number of conversions.

1. **Security requirements**
2. What are the security standards to be followed
3. Is any security compliance certificate required

1. **User requirements**
2. Help, tutorial or documentation required for website use
3. System provides designated administrators with additional rights

**Functional Requirements**

1. **Interface requirements**
2. Multimedia like image files
3. Text messages
4. **Navigational requirements**
5. Hyperlinks or form elements. Form
6. Elements like buttons, drop down menus, submit button
7. **Tools required**

|  |
| --- |
| PHP |
| HTML |
| Mysql |
| Jenkins |
| Selenium |
| Git |
| JIRA |
| Sublime text |