ANOTODE

The Web Annotator .

Project Proposal Rev 2.0

CS Group 1

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Revision Table

Revision	Author	Reviewer	Revision Date	Revision Tracking Notes
1	Saurabh	Mukesh	25-9-16	Added points for using Node.Js
2	Manohar	Abhilash	28-9-16	Improved quality of report

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1 Statement of Problem

1.1 Introduction

1.1.1 Abstract

Ever try browsing the web and came across some content that you wanted to save for later reference? Yes you can easily bookmark a site, but wouldnt it be awesome if you can select and save the specific text in the content that interests you? You are at a page where you want to leave a comment or note but you cannot because the page does not provide a comment system, what do you do about it? Anotode allows you to highlight a certain piece of text on the web and store it for future references. It creates a new level of convenience to users in the web.

1.1.2 Why Anotode ?

Anotode is a web tool for popular web browsers like Mozilla Firefox and Google Chrome. It allows you to highlight a certain piece of text on the web and store it for future references. The data is stored on a secured server. You can later view that collected information using our web app and android app.

1.2 Related Apps and their features

- Diigo (main emphasis is on sources/links through the text that was highlighted)

- Pith.li (no direct highlighting, one has to copy and paste the text in their web application)

- Bookmarklets (the data is saved locally, and no central server)

- Scribble (not open source and main emphasis was on links/urls and not on text)

- Genius (only chrome extension)

2 Objectives

2.1 What is Anotode ?

Anotode is a tool for annotating Web pages. Anotode is implemented as a Firefox,Chrome and Safari extension, allowing annotation of both offline and online pages. The HTML rendering is fully preserved and all annotations consist in new HTML spans with specific styles. WebAnnotator provides an easy and general-purpose framework.

Any text can be annotated using Anotode. The annotations are created by simply selecting a part of the document and clicking on the relevant type

and subtypes. The annotated elements are then highlighted in a specific color. Annotation schemas can be defined by the user and subtypes that must be highlighted. Finally, annotations can be saved (HTML with highlighted parts of documents) or exported in a machine-readable format.

3   Technical Approach

The platform that are going to be used are as followed :

- For Back-end Node.js will be used

- For Front-end Angular.js will be used

- There will be an Android Application for this project to view the collected data.

- For browser extensions, JavaScript will be used.

3.1   Why go for Node.js?

- Real-time, fast I/O

- For Developing, only JavaScript will be required. This is consistent with the browser extensions.

- Robust package manager (npm)

4   Deliverables

There are broadly two phases in our project. Phase-II has some experimental features and will be entertained if only we get time for implementation.

4.1   Phase-I

- Designing chrome,Safari and Firefox extension with commenting and highlighting feature..

- Provide tags and categories for highlighted text.

- Designing a Web Site Using angular.js.

- Make complete Android application with user friendly interface.

- Making the back-end server using node.js.

4.2 Phase-II

- Provide the permission for highlight tags to keep them as public or private.

- User follow feature.

- See most trending content in a particular category or tag.

- Get most highlighted feeds for a given webpage.

5 Team Qualification for this Project

Team surveyed through each an individual skill set and found out that most of the members are at intermediate level in Android development and Web App development. Five out of nine members have done projects based on Web Apps and three members have done projects in Android. Team is familiar with JavaScript this is required to work with angular.js and node.js. Overall team has found out this project more feasible and implementable from their required skill set.