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Online Research Optimizer(Extension for Google Chrome)
Project Vision Document

Version 1.0

Online Research Optimizer(Extension for Google Chrome)	Version: 1.0
Vision	Date: 07/07/2013

Revision History

Date	Version	Description	Author
07/07/2013	1.0	Create vision document using information gathered	Bandara H.M.V.N

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Vision (Small Project)

1. Introduction

As a student, Undergraduate, post graduate , researcher or anyone who seek information from world wide web , accessing web content which provided in various web sites is an essential part. Most often what happens is people tend to copy the wanted content parts (ex : paragraph , sentence .. etc) to an external source like word document. And some tend to save the web page for future reference.

A solution would be to provide an application (Online Research Optimizer(Extension for Google Chrome[2]))which help them to manage and organize their collected information online and offline as well through the web browser.

The purpose of this document is to collect, analyze, and define high-level needs and features of the Online Research Optimizer(Extension for Google Chrome).It focuses on the capabilities needed by the stakeholders and the target users, and why these needs exist. And the details of how the Online Research Optimizer fulfills these needs.

1.1 References

- [0] <https://developers.google.com/chrome/>
- [1] <https://plus.google.com/+GoogleChromeDevelopers/about>
- [2] https://developer.chrome.com/extensions/api_index.html

2. Positioning

2.1 Problem Statement

The problem of	Hard to manage collected web information/recourses during online research.
affects	Undergraduates, Postgraduates, Researchers, Information seekers on the web , etc
the impact of which is	Time is the most valuable thing. Without a proper organized manner or way researchers may find it difficult to do their work optimally.
a successful solution would be	Provide a browser extension to give a facility to organize their collected information. <ul style="list-style-type: none"> • Give user the capability to highlight important points in the web page. • Give user the capability to add notes to a specific point. • Save the web page for future reference and access it even in the offline mode. • Give the capability to manage the saved web pages. (In a folder structure)

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2.2 Product Position Statement

For	Internet users, to collect information for researches
Who	Use Google chrome to browse web pages
The (product name)	Online Research Optimizer
That	Give the user a simple, user friendly way to manage their collected information
Unlike	<ul style="list-style-type: none"> • Time consuming applications for file manage • Complex UI • Need a Internet connection for view collected information
Our product	<ul style="list-style-type: none"> • Less time consuming • Real time (manage your information while you surf) • Simple UI • Offline mode recourse management

3. Stakeholder and User Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
Project Coordinators	This project will carry out with the guidance of Computer Science and Engineering department lecturers who has been provided.	<ul style="list-style-type: none"> • Check the project feasibility • Approve the functionalities • Provide technical support • Provide advices • Monitor the project progress
Google Chrome Developer Community[0]	A place for Chrome developers to meet, share, and discuss the latest in web development	<ul style="list-style-type: none"> • Help each other to come up with solutions • Maintain effective group discussions

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3.2 User Summary

Name	Description	Responsibilities	Stakeholder
Information seekers on the Web	End users of the extension. Who use this to organize and manage their collected information	<ul style="list-style-type: none"> • Provide the application requirements • Provide feedbacks about the application 	-

3.3 User Environment

This is an Google Chrome Extension, Which runs inside the Google Chrome browser. User can use this as any other extension. This will not depend on any other application other than the Google Chrome browser. Users Will be provided simple GUI's to manage and organize their activities.

3.4 Summary of Key Stakeholder or User Needs

Need	Priority	Concerns	Current Solution	Proposed Solutions
Add notes directly to the web page.	High	End User	Few Extensions Specifically do that	Provide Note adding facility
Highlight Information on a web page	High	End User	Few Extensions Specifically do that	Provide Highlighting facility
Manage the collected resources using the browser	High	End User	None	Provide simple UI for organize and manage the collected resources.
Manage the collected resources in the offline mode	High	End User	None	Provide a way to download and keep the resources and maintain them offline.
Extend or update the Application	Medium	Developers[1]	N/A	Provide clear and standard documentation.
Need project progress reports	High	Project coordinators	Provide Needed documentation	-

3.5 Alternatives and Competition

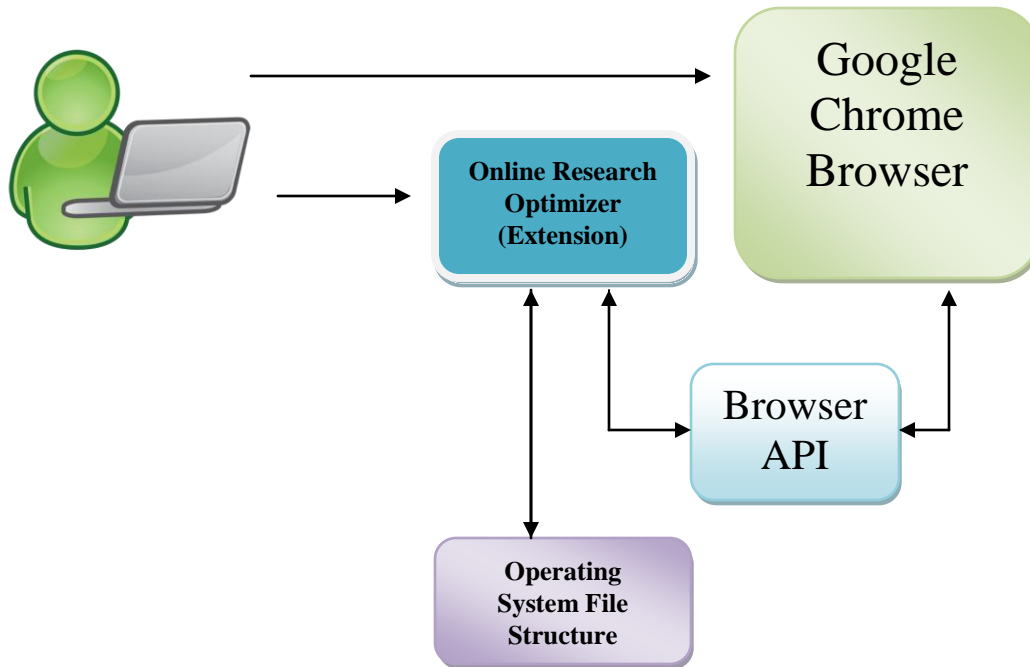
There are some products which give some of the requirements separately. And most of them are not compatible with the latest Google Chrome browser.

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4. Product Overview

4.1 Product Perspective

This is an Extension for Google Chrome Browser. So it will be communicating with the browser API's (Chrome API's) as well as the operating system.



4.2 Assumptions and Dependencies

- Need latest Google Chrome Browser to operate.
- The web content should be completely accessible through the browser.(The source of the web page)

5. Product Features

- Capability to highlight important points in the web page.
- Capability to add notes to a specific point.
- Save the web page for future reference and access it even in the offline mode.
- Capability to manage the saved web pages. (In a folder structure)

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6. Other Product Requirements

- Must not harm the Browser functionalities
- User can remove the Extension easily
- Must have enable and disable features