

# **Project Feasibility Document**

**Online Research Optimizer Extension** for Google Chrome

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# Project Overview

## 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.

## The problems with the existing approach

- We have to maintain a external document with noted points from those web sites and it is less user friendly and attractive and hard to manage.
- Hard to find the sources of those information (ex : to include references)
- We have to go through the whole article/web page again (if we have saved it) to capture the main parts which we noted earlier.
- We can't keep extra popup-notes (Like in PDF's)
- Internet connection is a must if you didn't save the web page.

## Solution for the problem

- 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)

## How to implement the solution ?

Though the web content is accessed through a web browser a browser extension will be a better solution. Since users can easily manage extensions it will be feasible to develop a solution using extensions as an interaction method. (In this case it will be a Chrome Extension)

# Feasibility Analysis

## Financial Feasibility

- There is no need to purchase any commercial material since most tools for this project is already freely available and others are FOSS.

## Technical Feasibility

- Knowledge in HTML, CSS, PHP, JavaScript would be highly required. And knowledge about web page analyzers such as fireBug , other tools for debugging , testing tools is highly required. Though my knowledge is lack on those areas , i'm confident that i can make my way through it by improving skills over those areas.  
To do that there are many human resources to get technical advices (My colleagues and department advisers ) , Online resources ( Google chrome development community ) and other various technical forums.

## Time-Constraint Feasibility

- The estimated time for the project is 10 weeks. I believe this is an enough time period for complete the project.

## Risk Feasibility

- Since my basic knowledge in extension development is less I might find difficulties when developing certain components. But I believe I can overcome those difficulties.
- There are no codes available for Google chrome extensions. So it might be hard to find ways to do certain developments.
- Since this only use Chrome API's it will not harm the browsers internal settings.

## Social / Legal Feasibility

- This will be an open source project since i'm publishing this code content and the related documentation online. And the codes which will be referenced for the project will mostly be FOSS.(So copyright issues will not be a problem )

## Overall

Considering all the fact I think this is a feasible project to carry out as the Software Engineering project.