



Walchand College of Engineering, Sangli
(An Autonomous Institute)

Department of Information Technology

A Project Report on
fixedzoomthumb

Submitted By

Monali A. Bhagwat	(2015BIT214)
Sonal K. Jajoo	(2015BIT215)
Parvati A. Shivsharan	(2015BIT218)

Under the guidance of

Dr.D.B.Kulkarni.
Information Technology
Dept. WCE, Sangli

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Of
Information Technology

CERTIFICATE

This is to certify that the Project Report entitled, "Thumbnail Zoom Plus-2"
submitted by

Miss. Monali A. Bhagwat (2015BIT214)

Miss. Sonal K. Jajoo (2015BIT215)

Miss. Parvati A. Shivsharan (2015BIT218)

to Walchand College of Engineering, Sangli, India, is a record of bonafide
project work carried out by them under my supervision and guidance and is worthy of
consideration for the award of the degree of Bachelor of Technology in Information
Technology of the Institute.

Dr.D.B.Kulkarni.

Guide Information Technology

Dept, WCE,Sangli.

Dr.S.P.Sonavane

HOD Information Technology

Dept, WCE Sangli.

Acknowledgement

We feel immense pleasure in submitting this project report entitled “Thumbnail Zoom Plus-2”.

We are thankful to our guide Dr.D,B.Kulkarni for their valuable guidance and kind help during completion of Project and feel great to express our sincere gratitude to all other all staff members of IT Department.

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Declaration

We hereby declare that work presented in this project report titled "Thumbnail Zoom Plus-2" submitted by me in the partial fulfillment of the requirement of the award of the degree of Third Year Bachelor of Technology (B.Tech) Submitted in the Department of Information Technology, Walchand College of Engineering, Sangli, is an authentic record of my project work carried out under the guidance of Dr.D.B.Kulkarni.

Miss. Monali A. Bhagwat (2015BIT214)

Miss.Sonal K. Jajoo (2013BIT215)

Miss. Parvati A. Shivsharan(2015BIT218)

Date :

Place : Sangli

Monali A. Bhagwat

Sonal K. Jajoo.

Parvati A. Shivsharan.

(Signatures)

Abstract

We can download images almost anytime. But there will be occasions when you struggle to get a slow Internet speed or high resolution images then loading time of image increased. Reasons for this rendering time is too much, the downloading speed slow. Thumbnail Zoom Plus is a Firefox plug-in which shows a full-size image pop-up when you hover over a thumbnail or image link. When you hover your mouse over a thumbnail or a link to an image or YouTube video, the add-on displays the full-size image or video still-frame in a floating window. The image remains visible until you move the mouse outside the thumb. When the user wants to download one or more images at a time then it require lots of time to download it. So our add-on provide a important feature to show full size image and save the image directly without waiting to render it. So, it require less time to download, save and use the image.

Keyword: Firefox, Thumbnail Zoom Plus, Add-on.

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1.Introduction

1.1. Overview and Problem statement:

Thumbnail Zoom Plus is a Firefox plug-in which shows a full-size image pop-up when you hover over a thumbnail or image link.

When you hover your mouse over a thumbnail or an image or video link, the add-on displays the full-size image or video still-frame in a floating window. The image remains visible until you move the mouse outside the thumb, click the mouse, or press Escape. It's quick and easy to move the mouse from one thumbnail to another to see the corresponding full-size images. Supported sites include Amazon, Bing, Facebook, Flickr, Google, IMDb, LinkedIn, Netflix, Pinterest, Reddit, Tumblr, Twitter, Yandex.ru, YouTube, Wikipedia, WordPress, Yahoo Images, and many more. It provide a faster image downloading feature by pressing ctrl+s button through keyboard. So, that user can at a time download the images one by one without any delay.

1.1. Contribution to the work:

Thumbnail Zoom Plus 2– it's a powerful image zoom add-on for Firefox with two main functions:

1. Hover your mouse over a thumbnail (or image link) and it will display a full-size image popup – you can configure the delay i.e. time needed to hover over the thumbnail before the full-size version is displayed (0.2 seconds by default). This full-screen size version remains visible until you move the mouse outside of the thumbnail, or click the mouse, or press Escape.
2. It also let you quickly save a full-size image, without the need to open it first. Via a Hotkey – hover over a thumbnail and press 's' to open the standard Save Image dialog box – the saved image will be the full-size image, not the thumbnail.

2. System Overview

2.1. System Analysis:

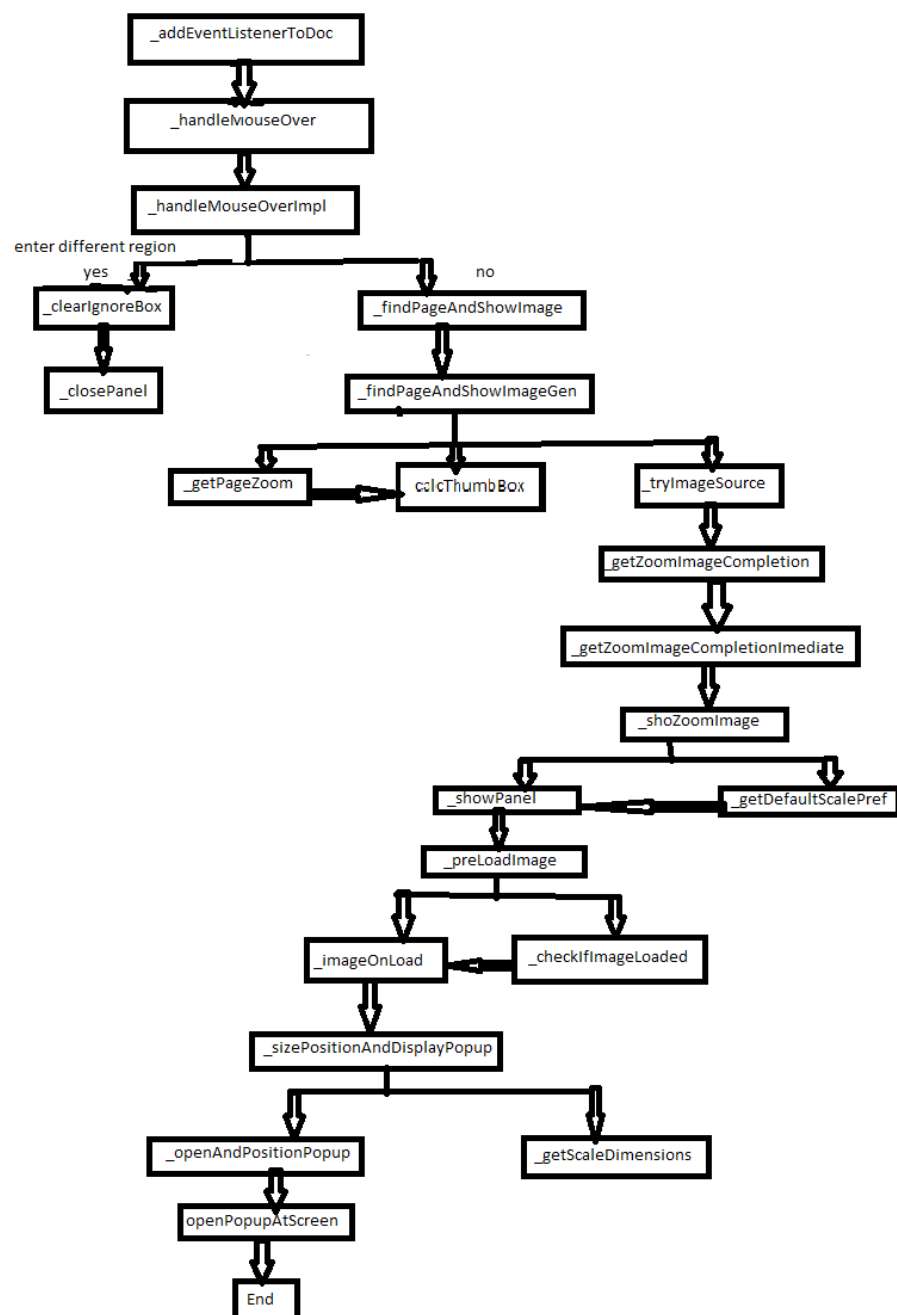
1. **Mozilla Firefox**: **Mozilla Firefox** (or simply **Firefox**) is a free and open source web browser developed by the Mozilla foundation and its subsidiary the Mozilla Corporation. Firefox is available for Windows, Mac-OS and Linux Operating System, with its Firefox for Android available for Android (formerly Firefox for mobile, it also ran on the discontinued Firefox OS); where all of these versions use the Gecko Layout Engine to render web pages, which implements current and anticipated web standards.

2. **Add-on Developer Site**: It provide a user individual account for publishing and verifying add-on by Mozilla Foundation. In this site, user submit new add-on as many times by using different id everytime.

There are several kinds of add-ons that customize Firefox:

- **Extensions** :- add new features to Firefox or modify existing functionality. There are extensions that allow you to block advertisements, download videos from websites, integrate more closely with social websites, and add features you see in other applications.
- **Themes**: are lightweight themes that use background images to customize your Firefox toolbars.
- **Search providers**: add additional choices to the search box dropdown. These providers allow you to quickly search any website.
- **Plugin**: help Firefox display or understand different types of media, such as Adobe Flash or Apple Quicktime.

2.2 Flowchart



2.3 System Implementation Steps

1. Open the install.rdf in sublime text2
2. Change the emid to the new id
 - 2.1. Open browser and search for online guid generator.
 - 2.2. Copy that guid and paste it in place of emid
3. Change the name of Add-on and save and zip whole folder.
4. Create account on mozilla's website.
5. Click on tools and select submit a new Add-on
6. Select where you have to publish your Add-on then Select a zip file and upload it.
7. As it successfully uploaded and verified by mozilla your add-on is published.

3. Project Objectives

1. To study the detailed working of Thumbnail Zoom Plus add-on.
2. To solve the problem of slow rendering of images on firefox .
3. To extend the functionality of available add-on.
4. To Contribute to open source.

2.1. Hardware Requirement:

- 64-bit dual core
- 2Ghz CPU.
- 2 GB RAM.
- 24 bits 1280×768 display
- Mouse or track pad.

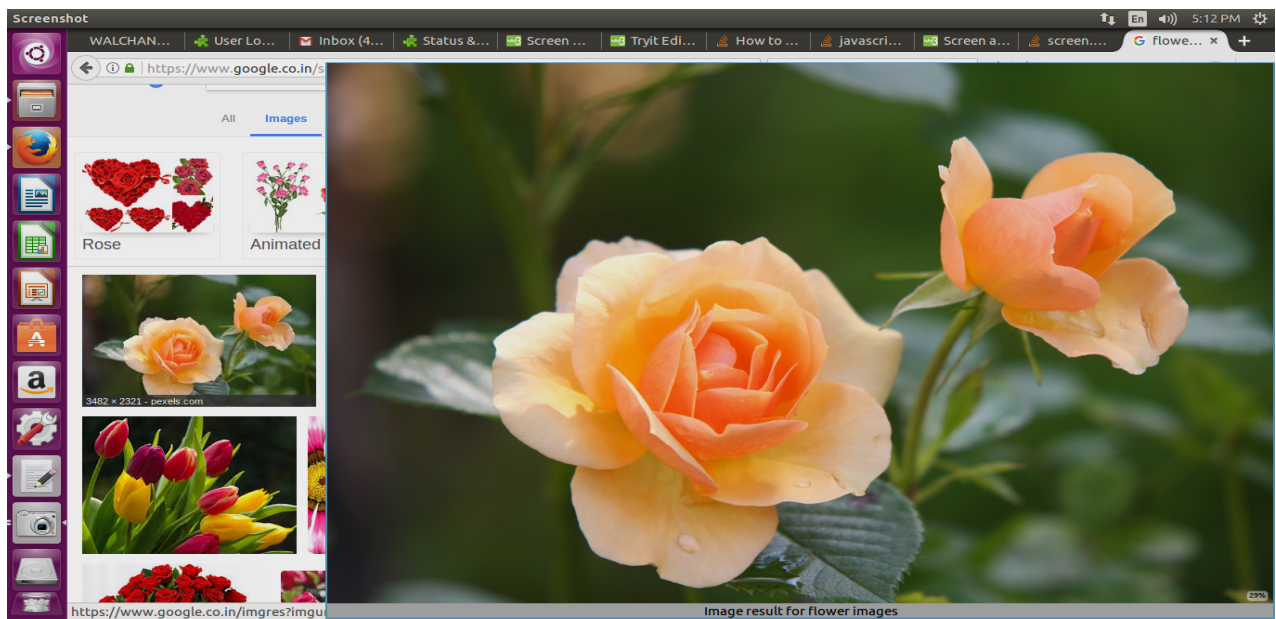
2.2 Software Requirement:

- Mozilla Firefox Browser
- Addon Developer Site.

3. Performance Study

3.1 Result Analysis:

1. Original Add-on:



2. Modified Add-on:



4. Conclusion

Thumbnail Zoom Plus is an excellent image zoom add-on for Firefox – it supports a huge variety of sites, has a lot of options and hotkeys to help save time and has worked really well with every site I have thrown at it – a definite keeper.

5. Reference

- <https://thumbnailzoomplus.wordpress.com.>
- <https://github.com/dadler/thumbnail-zoom>
- <https://addons.mozilla.org/>