CPSC476-Graduate Student Project- Fall 2016
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1- Description:

This Project is similar to project #1, but it uses (Freemarker) as view technology, instead of JSP.
The functionality of the web app. Is still the same. And the users/clients should not even notice this change.
The change done by removing the .jsp files, and replace them with .ftl files (Freemarker template format).
Freemarker is a template engine used to create dynamic web pages [1]. Freemarker also is java-based (a java library) [2]. In this project I'm using Freemarker as a replacement for JSP.
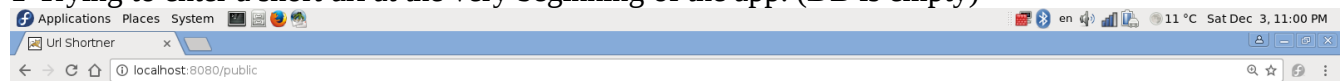Freemarker files are located in (/ WEB-INF / ftl /).

2- Installation:
   After successfully building the project using maven:
   - Take the war file (UrlShortnerProjV1-FreeMarker.war, in /target folder) and rename it
     to ROOT.war
   - Deploy the project, by adding the ROOT.war file to tomcat's webapps folder, or
      using tomcat manager-gui.
   - Finally, Run the web server, then the app.

3- Screen Shots:
1-Trying to enter a short url at the very beginning of the app. (DB is empty)
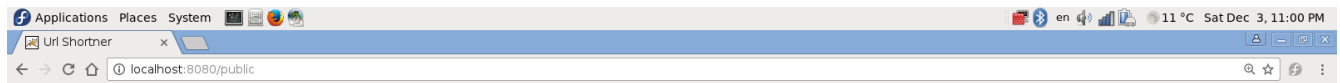
2-

Url Shortner

localhost:8080/public

Sorry, There are no URL saved. Please login and add some URL's!

Go Back

GradStudentProj   [dean@ThinkpadT430...   dean@ThinkpadT430:...   Url Shortner - Google ...

3- The login/signup page

Applications   Places   System

Customer Support

localhost:8080/login
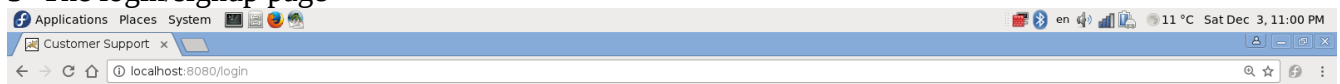
Login

You must log in to access the customer support site.

Username

smith

Password

•••••

Sign Up

Username

Password

Log In

GradStudentProj   [dean@ThinkpadT430...   dean@ThinkpadT430:...   Customer Support - G...
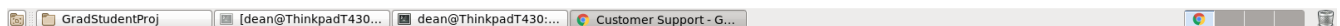
4- The private page(after login)
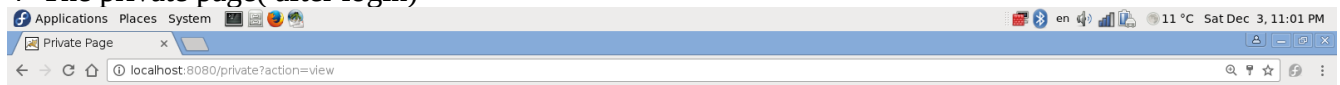
Applications Places System   en   11 °C Sat Dec 3, 11:01 PM

Private Page

localhost:8080/private?action=view

Hello smith, This is you private page!

Logout

Shorten your url here!!

Enter a long url:

www.google.com

Submit

Your shortened url for is :

Short url	Clicks

GradStudentProj [dean@ThinkpadT430... dean@ThinkpadT430:... Private Page - Google ...

5- Url added

Applications Places System   en   11 °C Sat Dec 3, 11:01 PM

Private Page

localhost:8080/private

Hello smith, This is you private page!

Logout

Shorten your url here!!

Enter a long url:

Submit

Your shortened url for www.google.com is :

http://localhost:8080/short/3d3Lmdv

Short url	Clicks
http://localhost:8080/short/3d3Lmdv	0

GradStudentProj [dean@ThinkpadT430... dean@ThinkpadT430:... Private Page - Google ...

6- Testing the clicks(need to refresh, to see the click count take effect)

Hello smith, This is you private page!

Logout

Shorten your url here!!
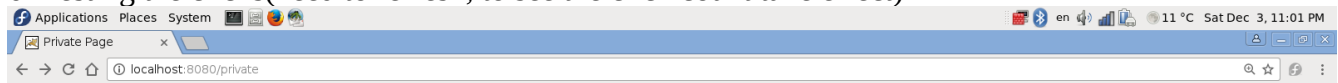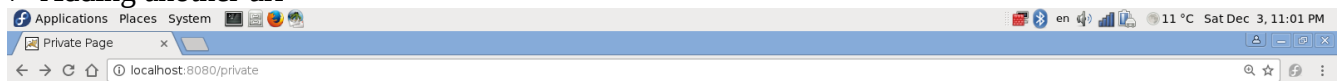
Enter a long url:

Submit

Your shortened url for www.google.com is :

http://localhost:8080/short/3d3Lmdv

Short url	Clicks
http://localhost:8080/short/3d3Lmdv	1

7- Adding another url

Hello smith, This is you private page!

Logout

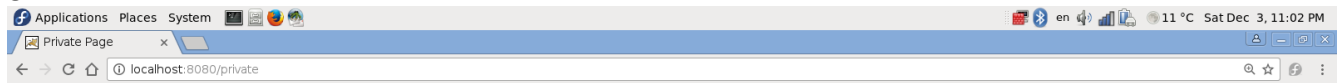**Shorten your url here!!**

Enter a long url:

www.yahoo.com

Submit

Your shortened url for www.google.com is :

http://localhost:8080/short/3d3Lmdv

Short url	Clicks
http://localhost:8080/short/3d3Lmdv	1

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en   11 °C   Sat Dec 3, 11:02 PM

Private Page

localhost:8080/private

Hello smith, This is you private page!

Logout

Shorten your url here!!

Enter a long url:

Submit

Your shortened url for www.yahoo.com is :

http://localhost:8080/short/3d3Lnlh

Short url	Clicks
http://localhost:8080/short/3d3Lnlh	0
http://localhost:8080/short/3d3Lmdv	1

GradStudentProj | [dean@ThinkpadT430... | dean@ThinkpadT430:... | Private Page - Google ...

9-

en   11 °C   Sat Dec 3, 11:02 PM

Private Page

localhost:8080/private

Hello smith, This is you private page!

Logout

Shorten your url here!!

Enter a long url:

Submit

Your shortened url for www

http://localhost:8080/short/3d3Lnl

Short url
http://localhost:8080/short/3d3Ln
http://localhost:8080/short/3d3Ln

Open link in new tab
Open link in new window
Open link in incognito window

Save link as…
Copy link address

Copy   Ctrl+C
Go to http://localhost:8080/short/3d3Lmdv
Print…   Ctrl+P

Inspect   Ctrl+Shift+I

GradStudentProj | [dean@ThinkpadT430... | dean@ThinkpadT430:... | Private Page - Google ...

10-Log-out and check one of the urls, in the public page

Url Shortner

localhost:8080/public
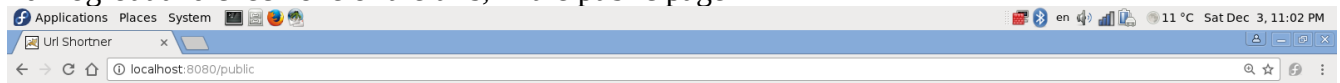
Welcome guest..

Please login, or use public access only.

Enter Short URL: `calhost:8080/short/3d3Lmdv`

http://localhost:8080/short/3d3Lmdv

Get Long URL

GradStudentProj   [dean@ThinkpadT430...   dean@ThinkpadT430:...   Url Shortner - Google ...

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Url Shortner

localhost:8080/public
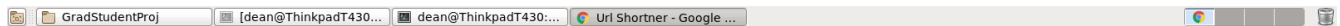
The original URL for the shortened one you entered is:

www.google.com

Go Back

GradStudentProj   [dean@ThinkpadT430...   dean@ThinkpadT430:...   Url Shortner - Google ...
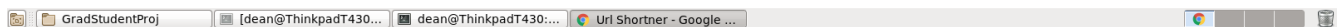
References:
1- Freemarker wikipedia page:
https://en.wikipedia.org/wiki/FreeMarker

2-Freemarker website:
http://freemarker.org/