Author: Sibdow Abdul-Jalil Iddrisu (200379358)

Requirements
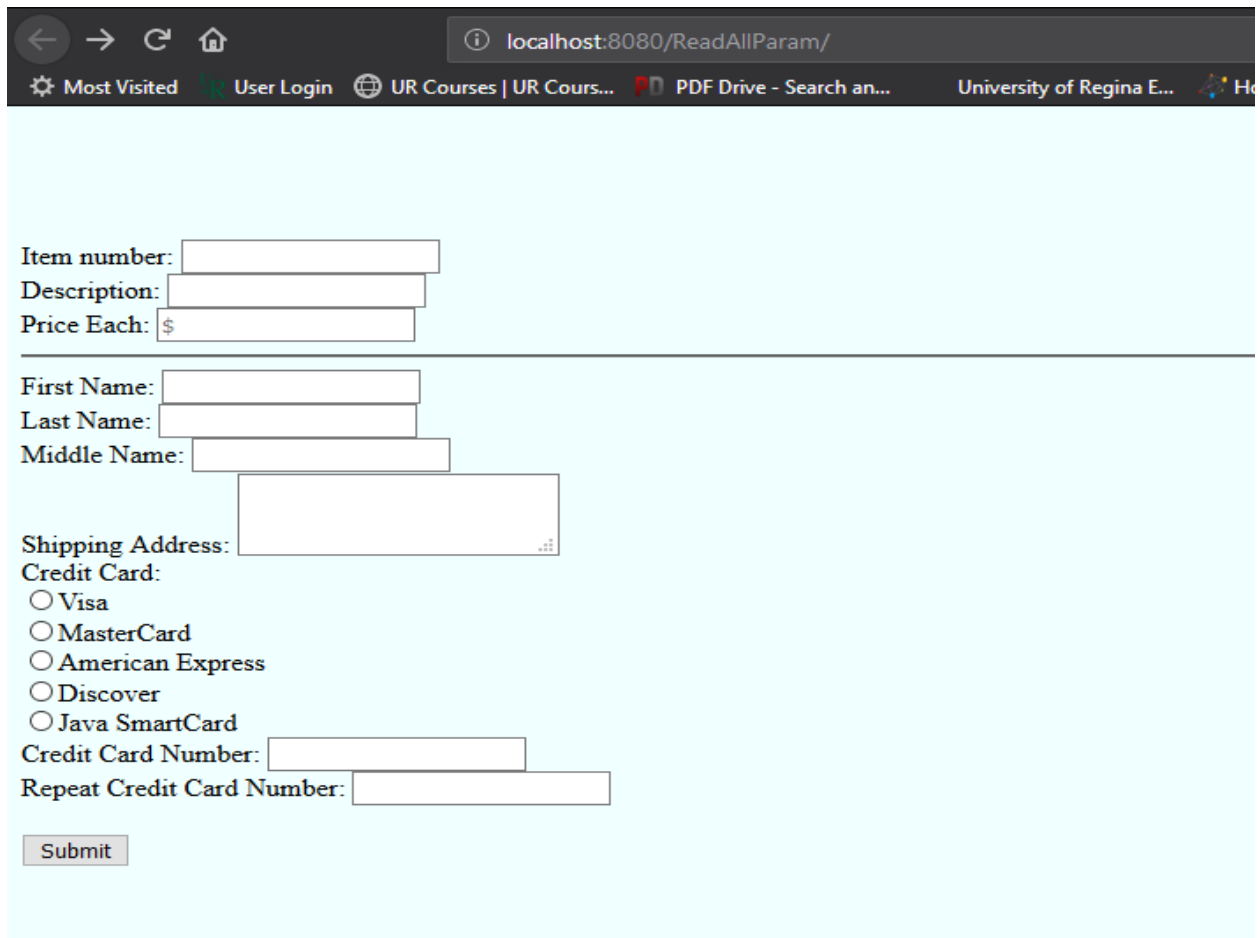
The original solution(s) requires:

1. NetBeans 8.2
2. Glassfish Server 5

How it Work

- All solutions can be run by opening them in the NetBeans IDE
- Afterwards, Clean and Build the project files
- The execute in the browser by Running the project which deploys it onto the server
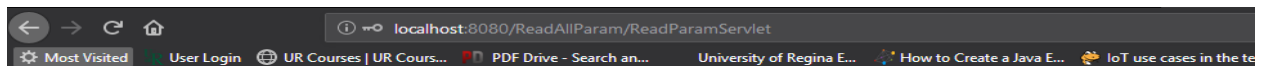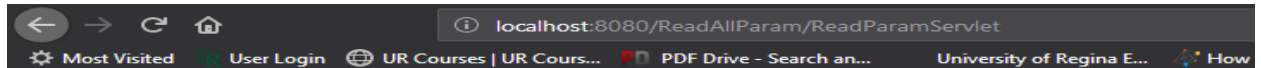
SAMPLE TEST CASES OF PROGRAM(S) EXECUTION

➢ **QUESTION 1:**

Reading All Request Parameters

Parameter Name	Parameter Value(s)
itemNum	123b
description	Tall
price	$123.45
firstName	Sibdow
lastName	Iddrisu
initial	AJ
address	S4V 0C9
cardType	Visa
cardNum	• 123456789 • 123456789

Reading All Request Parameters

Parameter Name	Parameter Value(s)
itemNum	123b
description	Tall
price	$123.45
firstName	Sibdow
lastName	Iddrisu
initial	AJ
address	*No Value*
cardType	Visa
cardNum	• 123456789 • 123456789

QUESTION 2
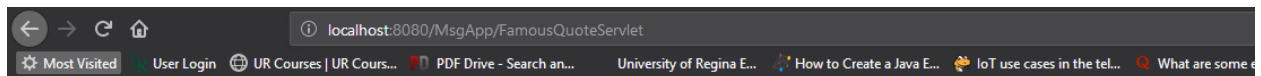
Put your hand on a hot stove for a minute and it seems like an hour. Sit with a pretty girl for an hour, and it seems like a minute.

no greetings

I can access the context parameter

Happy Birthday

no quote

I can access the context parameter

QUESTION 3

← → C ⌂　　　　ⓘ localhost:8080/IncludeApp/IncludeServlet
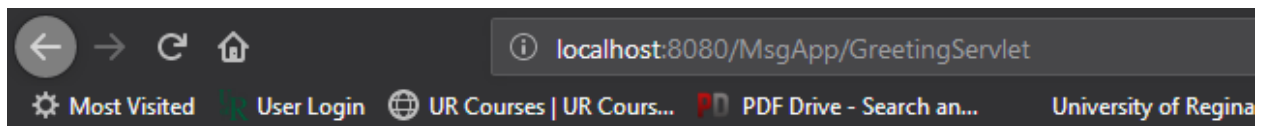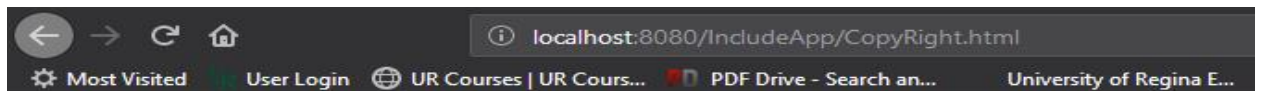
⚙ Most Visited　🅺 User Login　🌐 UR Courses | UR Cours...　📕 PDF Drive - Search an...　　University of Regina E...　🔧 How to Crea
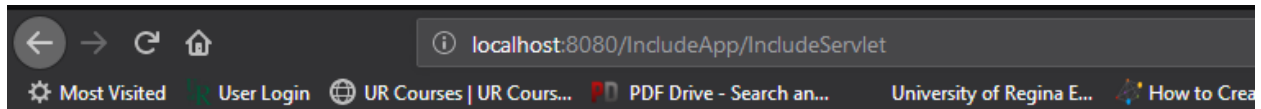
Welcome to IncludeServlet

Imagine the rest of the page here.

← → C ⌂　　　　ⓘ localhost:8080/IncludeApp/FirstServlet

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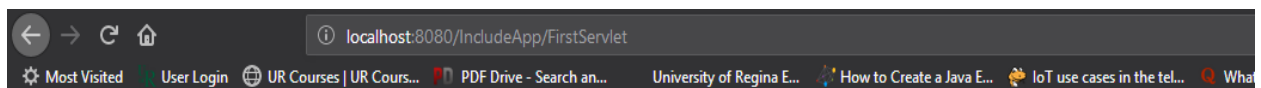
Included Request Attributes

javax.servlet.include.context_path: /IncludeApp

javax.servlet.include.path_info: null

javax.servlet.include.query_string: Favorite Singer=Taylor Swift

javax.servlet.include.servlet_path: /SecondServlet

javax.servlet.include.mapping: MappingImpl{matchValue=SecondServlet, pattern=/SecondServlet, servletName=SecondServlet, mappingMatch=EXACT}

javax.servlet.include.request_uri: /IncludeApp/SecondServlet

org.glassfish.web.RequestFacadeHelper: org.apache.catalina.core.RequestFacadeHelper@26f5e1aa

➤ **QUESTION 4**

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Please enter filename to download the pdf file:

PDF File Name: [ ]

[Download]

Blank Filename　　　✕　＋

← → C ⌂　　　localhost:8080/DownloadApp/DownloadServlet?filename=+++

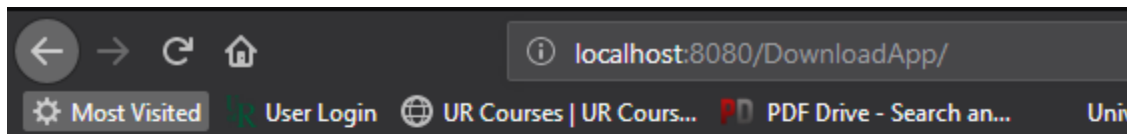Most Visited　User Login　⊕ UR Courses | UR Cours...　PDF Drive - Search an...　University of Regina E...　How to
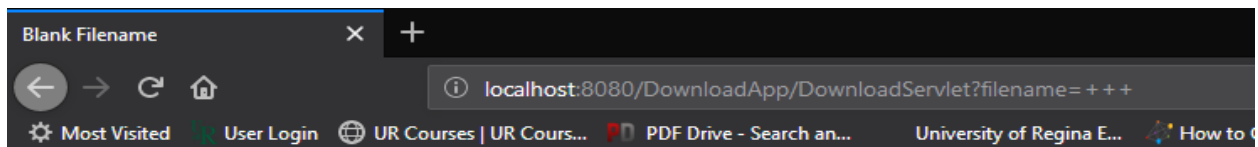
Please enter a valid filename

Please enter filename to download the pdf file:

PDF File Name: [ ]

[Download]

Invalid Filename　　✕　＋

← → C ⌂　　　localhost:8080/DownloadApp/DownloadServlet?filename=siaj.pdf

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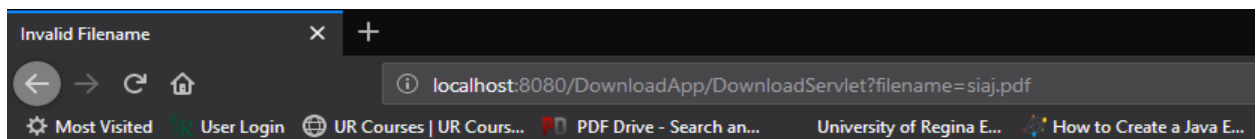
Filename: siaj.pdf not valid

Please enter filename to download the pdf file:

PDF File Name: [ ]

[Download]

Download file with or without extension name entered by user

Please enter filename to download the pdf file:
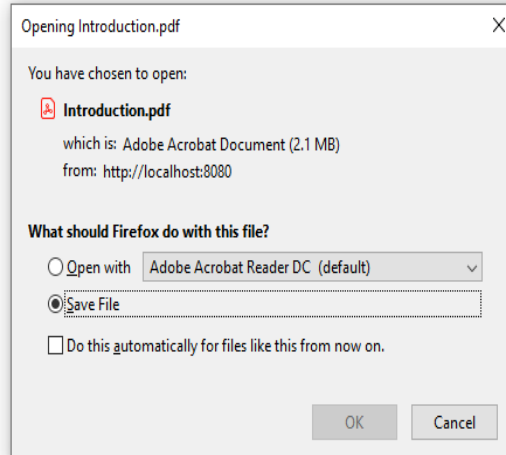
PDF File Name: Introduction.pdf

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Opening Introduction.pdf   ✕

You have chosen to open:

📄 **Introduction.pdf**

    which is: Adobe Acrobat Document (2.1 MB)

    from: http://localhost:8080

What should Firefox do with this file?

○ Open with [Adobe Acrobat Reader DC (default)   ⌄]

◉ Save File

☐ Do this automatically for files like this from now on.
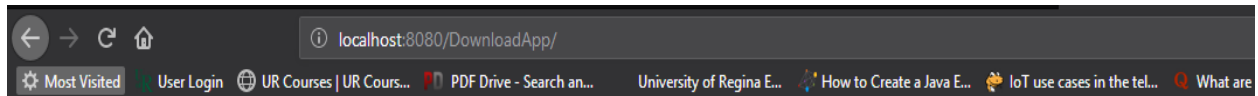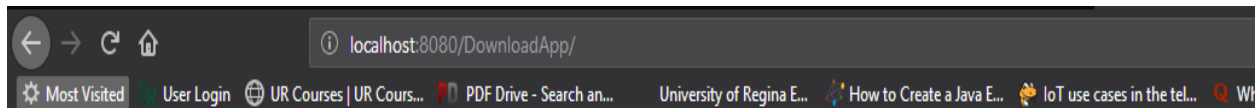
              [OK]   [Cancel]

Please enter filename to download the pdf file:

PDF File Name: Introduction

Download

Opening Introduction.pdf   ✕

You have chosen to open:

📄 **Introduction.pdf**

    which is: Adobe Acrobat Document (2.1 MB)

    from: http://localhost:8080

What should Firefox do with this file?

○ Open with [Adobe Acrobat Reader DC (default)   ⌄]

◉ Save File

☐ Do this automatically for files like this from now on.

              [OK]   [Cancel]

➢ **QUESTION 5**

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localhost:8080/BankingApp/

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The Servlet Model

We talk about the basic concepts of the Servlet model. This web application contains the following examples from the slide.

1. This web application also implements the simple banking application explained in the slide. Here is the Login page for the application
   As explained, the usernames/passwords are hard coded in the LoginServlet. You can use any of the following values:
   1. ann/aaa
   2. john/jjj
   3. mark/mmm

   Once you login, you should see the account information of the user.

Change Password

Change Password   ✕   +

localhost:8080/BankingApp/changePassword.html

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Change Password

Username: [_____]

Old Password: [_____]

New Password: [_____]

Confirm New Password: [_____]

[Submit] [Reset]

localhost:8080/BankingApp/ChangePasswordServlet

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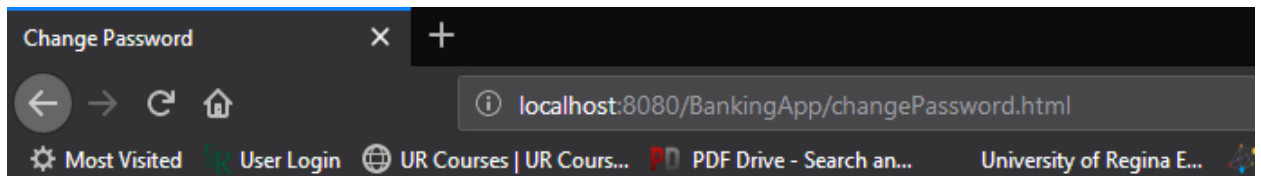
Password Changed Successful

The Servlet Model

We talk about the basic concepts of the Servlet model. This web application contains the following examples from the slide.

1. This web application also implements the simple banking application explained in the slide. Here is the Login page for the application
   As explained, the usernames/passwords are hard coded in the LoginServlet. You can use any of the following values:
   1. ann/aaa
   2. john/jjj
   3. mark/mmm

   Once you login, you should see the account information of the user.

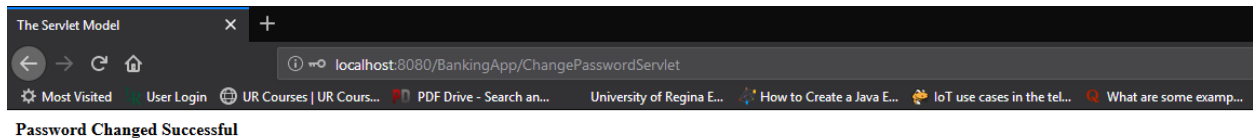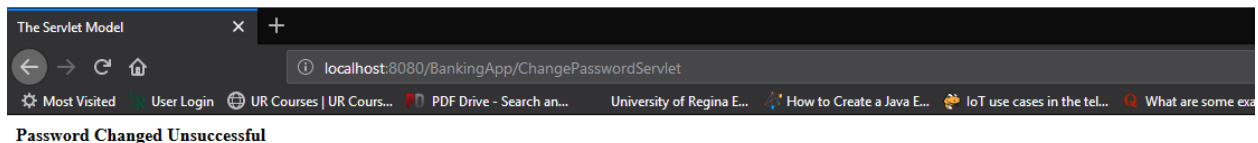Change Password

---

➔ **Incorrect details entered by user will result in failure to change the password: either user credentials entered is wrong or new password and confirmation do not match**
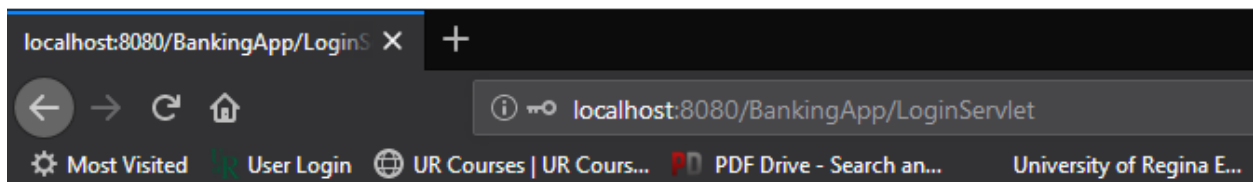
localhost:8080/BankingApp/ChangePasswordServlet

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Password Changed Unsuccessful

The Servlet Model

We talk about the basic concepts of the Servlet model. This web application contains the following examples from the slide.

1. This web application also implements the simple banking application explained in the slide. Here is the Login page for the application
   As explained, the usernames/passwords are hard coded in the LoginServlet. You can use any of the following values:
   1. ann/aaa
   2. john/jjj
   3. mark/mmm

   Once you login, you should see the account information of the user.

Change Password

---

localhost:8080/BankingApp/LoginServlet

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Account Status for ann at the start of previous three months...

01/01/2001 : 1000.00
01/02/2001 : 1300.00
01/03/2001 : 900.00

Main Page for the application