

ReadMe- Assignment 5

Blackboard Course Management System

Justin Francis

12/9/2014

Project Summary:

The goal of this assignment is to create a rails application that will complete the course management system that is similar to blackboard.

Design:

There are three main domains: Course, User and Enrolment. The Course domain will contain a list of all courses. A User domain will contain a list of all users. An enrolment domain will contain a list of all users registered for a course. On running the project the index page is displayed. A user must be able to view all courses and enroll for them. He can also view his own enrolments. A user can also register to the website to enroll for courses.

Development Insights:

I have generated controllers and views from the option provided by GGTS using the domains I have created. I have modified these controllers and views so that I may view only the required attributes. Views to different pages have been restricted so that only the required users can view the specific pages. I have also implemented the search plugin as a partial page and included in the main layout for the entire site and fit it with the site's theme. The search plugin is customized to show the top 5 results on the page. On the index page, a user can either login or register into the website. If a user cannot successfully login then a validation message is displayed saying that the username or password was incorrect. A user can register to the website and a validation message is thrown if the user tries to register with the same username that exists in the database. I have added some test data into Bootstrap.groovy that a user can login into the application for testing. I have done hashing and SALTING for the password in the application. Any password will have the word 'word' added to it and then hashed using sha1. Some default logins for testing are:

Username: justin

Password: justin

Username: admin

Password: admin

Username: test

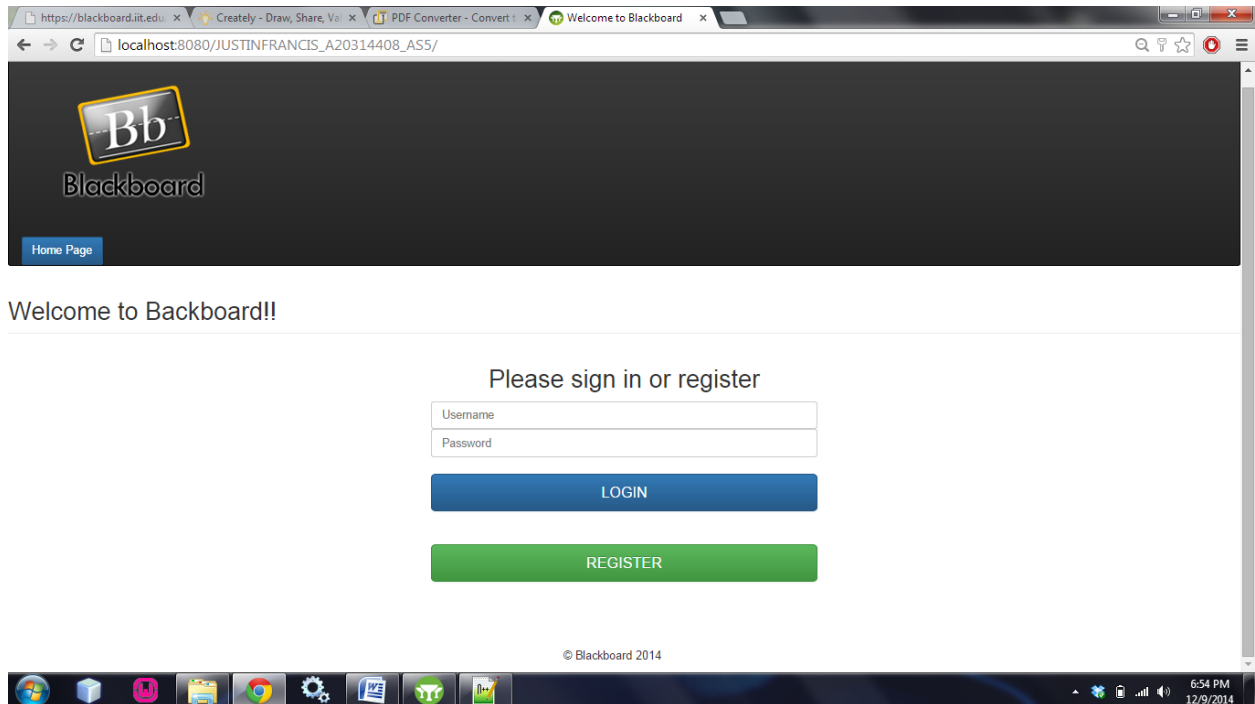
Password: test

I have also added some courses in the Bootstrap.groovy file so that a user can register for some courses to test the application. I have restricted views to different pages so that a view can also be accessed if the user has a session. Also invalid urls give a custom page error exception. A user can register for a course. A custom validation message is shown if the user has already registered for the course. A user can also view all of his registered courses.

Requirements:

Extract the project. Import it into your application. Run the application. Use the URL in the output to go the link and perform the appropriate testing.

Screen Captures:



https://blackboard.it.edu/ x Creately - Draw, Share, V... x PDF Converter - Convert... x Course List

localhost:8080/JUSTINFRANCIS_A20314408_AS5/course/index.gsp

Bb
Blackboard

Hi! justin Home Page Logout

Welcome to Blackboard!!

Course List

Course ID	Title	Description	Credit Hours	
1	ITMD562	Basics app of PHP, Grails and Groovy	3	ENROLL
2	ITMD515	AdvancedWeb Development using ORM	3	ENROLL
3	ITMD528	Database Web app security	3	ENROLL
4	ITMD586	Web app IT Auditing	3	ENROLL
5	ITMD422	Advanced Web app Database Management	3	ENROLL

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localhost:8080/JUSTINFRANCIS_A20314408_AS5/enrolment/doRegistration

Bb
Blackboard

Hi! justin Home Page Logout

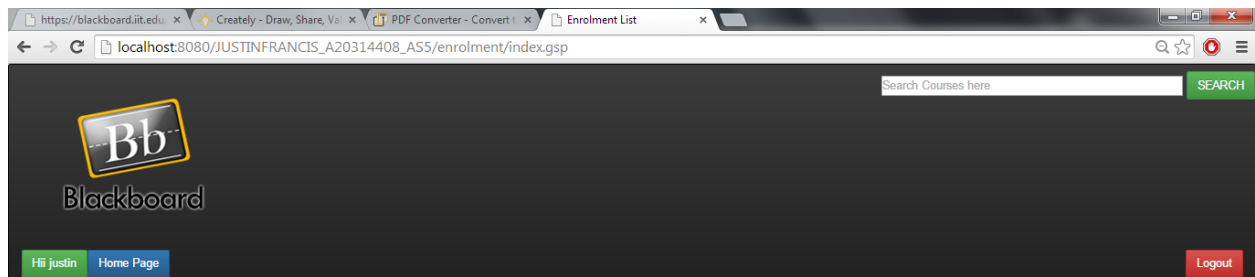
Welcome to Blackboard!!

You have successfully enrolled for this course!

Course List

Course ID	Title	Description	Credit Hours	
1	ITMD562	Basics app of PHP, Grails and Groovy	3	ENROLL
2	ITMD515	AdvancedWeb Development using ORM	3	ENROLL
3	ITMD528	Database Web app security	3	ENROLL

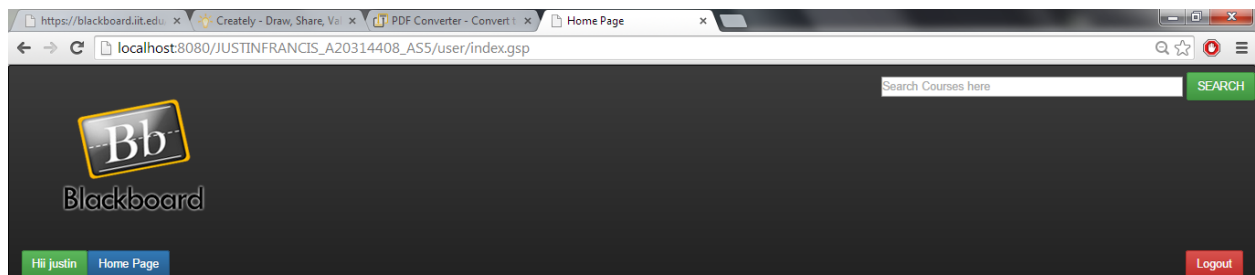
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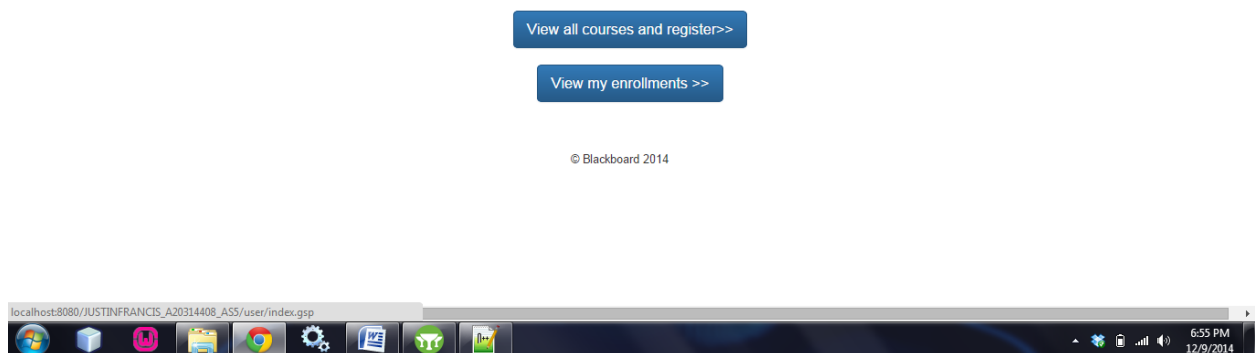
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Enrolment List			
Course ID	Title	Description	Credit Hours
1	ITMD562	Basics app of PHP, Grails and Groovy	3
3	ITMD528	Database Web app security	3

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localhost:8080/JUSTINFRANCIS_A20314408_AS5/searchable/index1?q=app

Blackboard

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Search Results

Showing top 5 results for **app**

Course ID	Title	Description	Credit Hours
3	ITMD528	Database Web app security	3
4	ITMD586	Web app IT Auditing	3
6	ITMD555	Windows Web app development	3
7	ITMD566	Web app Services	3
1	ITMD562	Basics app of PHP, Grails and Groovy	3

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Expected Results/ Known Issues :

The application runs smoothly giving the desired results.