



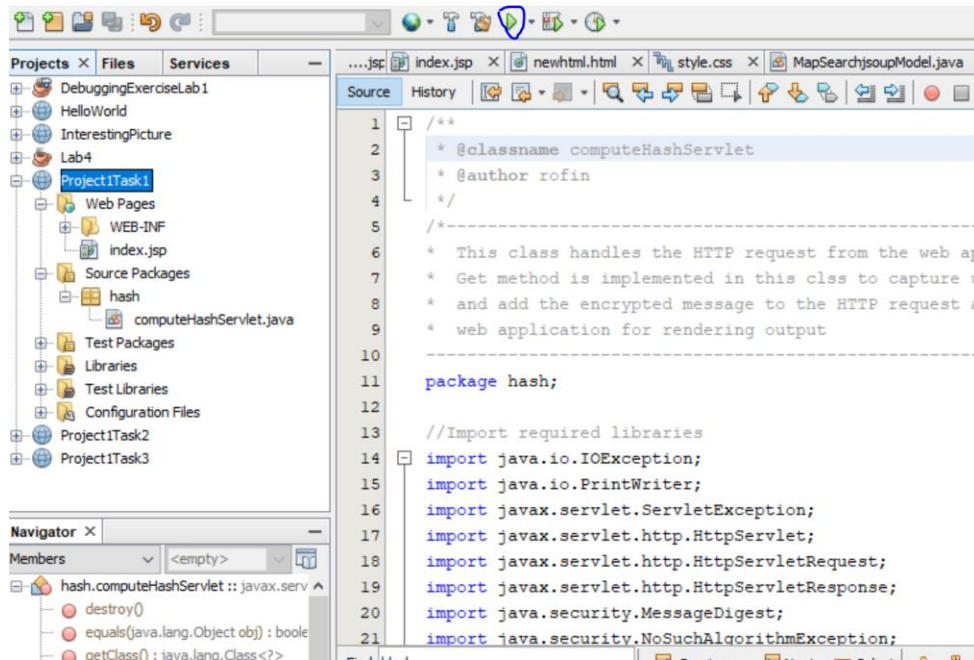
PROJECT1TASK1 DESCRIPTION

Description for task1 of Project 1- Distributed
Systems

Rofin Andonissamy
Randonis@andrew.cmu.edu

Project1Task1 Description

Run the application from NetBeans



Index page of the web application will be displayed (Index.jsp). By default MD5 radio button is selected

Hash Demo

Input Text

☒ MD5
☐ SHA-256

Clicking the encrypt button without entering the "Input Text" will give an error message stating Input text is a mandatory input field

The screenshot shows the web application running in a browser. The 'Hash Demo' page is displayed. The 'Input Text' field is empty and highlighted with a red border. A tooltip message 'This is a required field' is visible next to the field. The 'MD5' radio button is selected, and the 'Encrypt' button is highlighted in blue.

Project1Task1 Description

Enter some text into the “Input text” field, select MD5 radio button and click on the encrypt button. The encrypted text will be displayed in base64 and hexadecimal notation

The screenshot shows a web browser window with the URL `http://localhost:35039/Project1Task1/computeHashes?inputStr=This+is+a+test%21&hash=MD5`. The page title is "Hash Demo".

Hash Demo

Input Text: Please enter the text to be encrypted, choose an hash method and click the encrypt button

☒ MD5
☐ SHA-256

Encrypt

Hash Result

Input Text: This is a test!

Hash Algorithm: MD5

Hashed Text

Base64 Notation: cC7coLIYHBXUV+rKw53jmw==

HexaDecimal Notation: 702EDCA0B2181C15D457EACAC39DE39B

Similarly running the test for SHA-256 produces encrypted text in base 64 and hexadecimal notations

Project1Task1 Description

Hash Demo

Hash Demo

Input Text

Please enter the text to be encrypted, choose an hash method and click the encrypt button

☒ MD5
☐ SHA-256

Encrypt

Hash Result

Input Text

This is a test!

Hash Algorithm:

SHA-256

Hashed Text

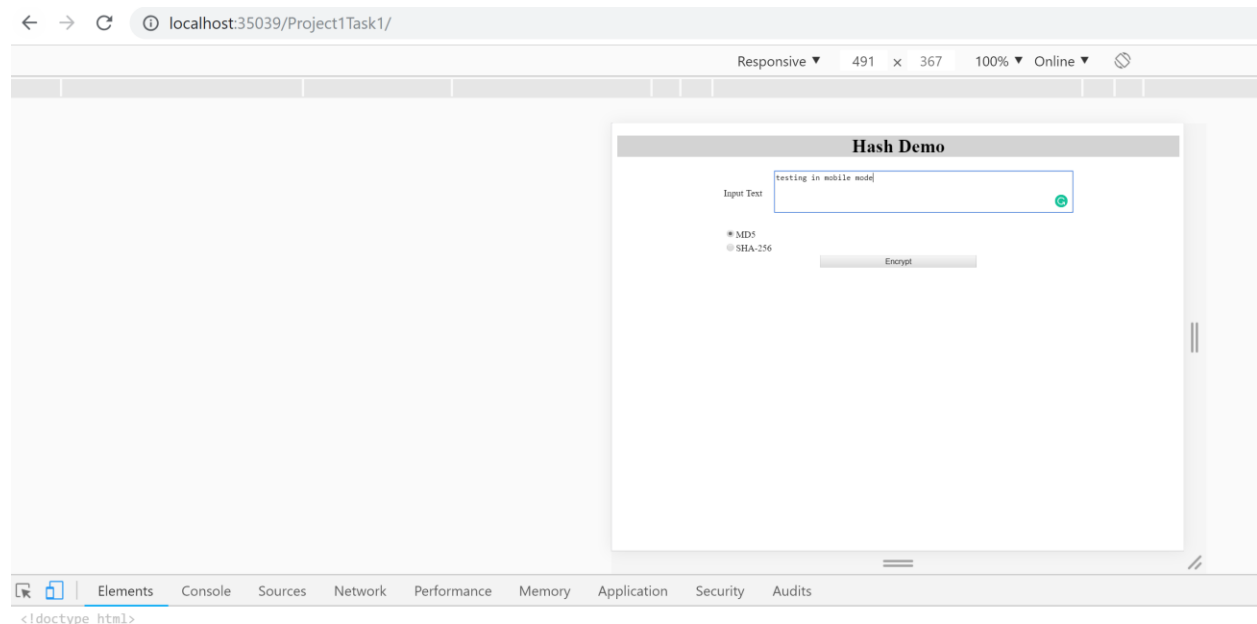
Base64 Notation:

VLof3OWong0+7m5MWHsXgzvDjDWG/wIFrdZFh9LWtkA=

HexaDecimal Notation:

54BA1FDCE5A89E0D3EEE6E4C587497833BC38C3586FF02057DD6451FD2D6B640

Also, the application runs seamlessly in mobile device



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