

Test Cases & Test Output

Actor: **Student**

Test Case: **Login System**

Test Output: **Success**

User Action	Expected Result	Actual Result
User clicks the “Login” button on the homepage	User is redirected to “Login” page	See Image 1 in the appendix
User attempts to log in with bad credentials	User is prompted with an error message	See Image 2 in the appendix
User attempts to log in with good credentials	User is taken to the correct user homepage	See Image 3 in the appendix

Actor: **Student**

Test Case: **Apply For a Loan**

Test Output: **Failed**

User Action	Expected Result	Actual Result
User clicks the “Login” button on the homepage	User is redirected to “Login” page	See Image 1 in the appendix
User attempts to log in with good credentials	User is taken to the student homepage	See Image 3 in the appendix
User clicks the “Apply For Loan” button on the student portal	User is redirected to the Loan Application page	See Image 4 in the appendix
User selects the loan type, enters the amount, and clicks the “apply” button	User is redirected back to the Loan Application page with either an error or a message saying it was successfully submitted	See Image 5 for the error, the success message part of this test case failed

Actor: **Student**

Test Case: **Ability To Find Best Rates For a Loan**

Test Output: **Success**

User Action	Expected Result	Actual Result
User clicks the "Login" button on the homepage	User is redirected to "Login" page	See Image 1 in the appendix
User attempts to log in with good credentials	User is taken to the student homepage	See Image 3 in the appendix
User clicks the "Loan Offers" button on the student homepage	User is taken to the "Loan Offers" page and displays the different types of loans and information about them	See Image 6 in the appendix

Actor: **Loan/Bank Officer**

Test Case: **View All Active Loans**

Test Output: **Success**

User Action	Expected Result	Actual Result
User clicks the "Login" button on the homepage	User is redirected to "Login" page	See Image 1 in the appendix
User attempts to log in with good credentials	User is taken to the Officer homepage	See Image 7 in the appendix
User clicks the "View Loans" button	User is taken to the "View Loans" page	See Image 8 in the appendix

Actor: **Loan/Bank Officer**

Test Case: **View Loan Information**

Test Output: **Success**

User Action	Expected Result	Actual Result
User clicks the "Login" button on the homepage	User is redirected to "Login" page	See Image 1 in the appendix
User attempts to log in with good credentials	User is taken to the Officer homepage	See Image 7 in the appendix
User clicks the "View Loans" button	User is taken to the "View Loans" page	See Image 8 in the appendix
User clicks on one of the Loans	User is taken to the "Loan Information" page for that specific Loan	See Image 9 in the appendix

Actor: **Loan Officer**

Test Case: **Approve Loan**

Test Output: **Failed**

User Action	Expected Result	Actual Result
User clicks the "Login" button on the homepage	User is redirected to "Login" page	See Image 1 in the appendix
User attempts to log in with good credentials	User is taken to the Officer homepage	See Image 7 in the appendix
User clicks the "View Loans" button	User is taken to the "View Loans" page	See Image 8 in the appendix
User clicks on one of the Loans	User is taken to the "Loan Information" page for that specific Loan	See Image 9 in the appendix
User clicks either "Approve" or "Deny" buttons to either approve or deny the loans	User is redirected back to the "View Loans" page with the status changed to "approved" or "denied"	This feature was not fully implemented on the site, and there is currently no way to have officers approve or deny loans

Actor: **Registrar**

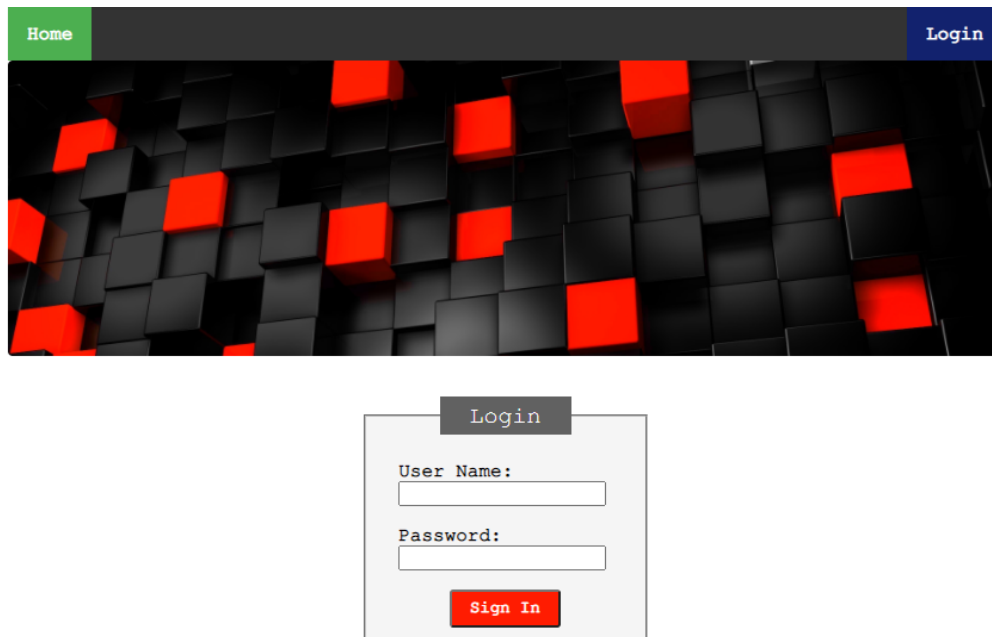
Test Case: **View Student Loans**

Test Output: **Success**

User Action	Expected Result	Actual Result
User clicks the "Login" button on the homepage	User is redirected to "Login" page	See Image 1 in the appendix
User attempts to log in with good credentials	User is taken to the Registrar homepage	See Image 10 in the appendix
User clicks the "View Loans" button	User is taken to the "Student Loans" page	See Image 11 in the appendix
User selects a student from the "Student" dropdown menu and clicks filter	User is shown only loans from that student	See Image 12 in the appendix
User selects a school from the "School" dropdown menu and clicks filter	User is shown only loans from that school	See Image 13 in the appendix
User selects a Bank from the "Bank" dropdown menu and clicks filter	User is shown only loans from that bank	See Image 14 in the appendix
User clicks the reset button to clear the filters	User is shown a list of all loans again without any filters	See Image 11 in the appendix

Appendix: Images

Image 1: Login Page



The screenshot shows a web application's login page. At the top, there is a dark grey navigation bar with a green 'Home' button on the left and a blue 'Login' button on the right. Below the navigation bar is a large banner image featuring a 3D grid of black and red cubes. In the center of the page is a light grey login form. The form has a title 'Login' in a dark grey box. It contains two input fields: 'User Name:' and 'Password:'. Below these fields is a red 'Sign In' button.

Home Login

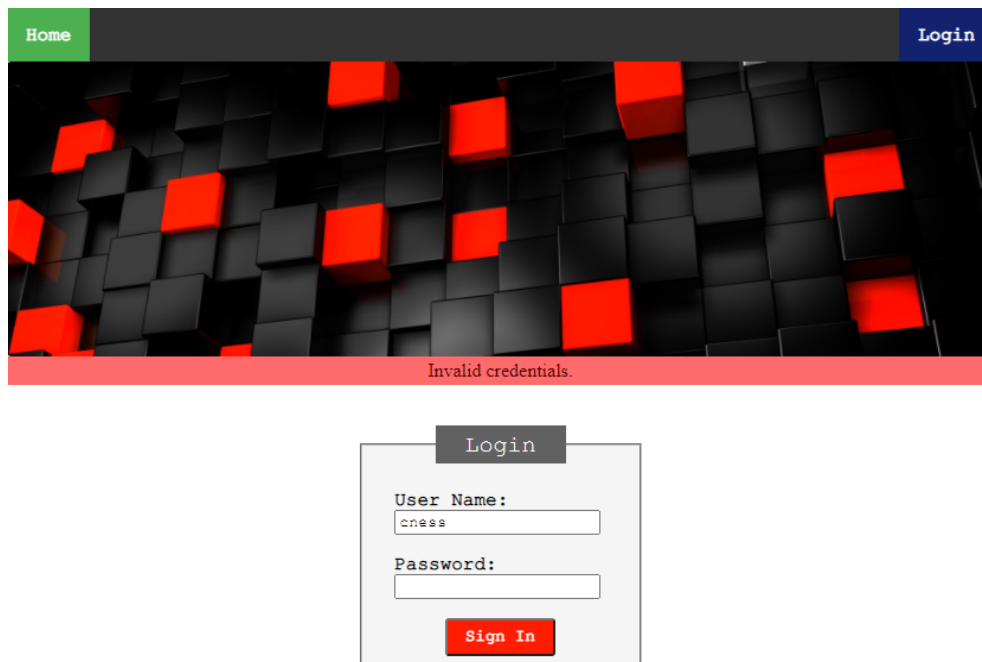
Login

User Name:

Password:

Sign In

Image 2: Invalid User Creds



This screenshot shows the same login page as Image 1, but with an error message displayed. The error message 'Invalid credentials.' is centered below the banner image. The login form below it now contains the text 'cress' in the 'User Name:' field. The 'Password:' field is empty. The 'Sign In' button remains red.

Home Login

Invalid credentials.

Login

User Name:

cress

Password:

Sign In

Image 3: User homepage

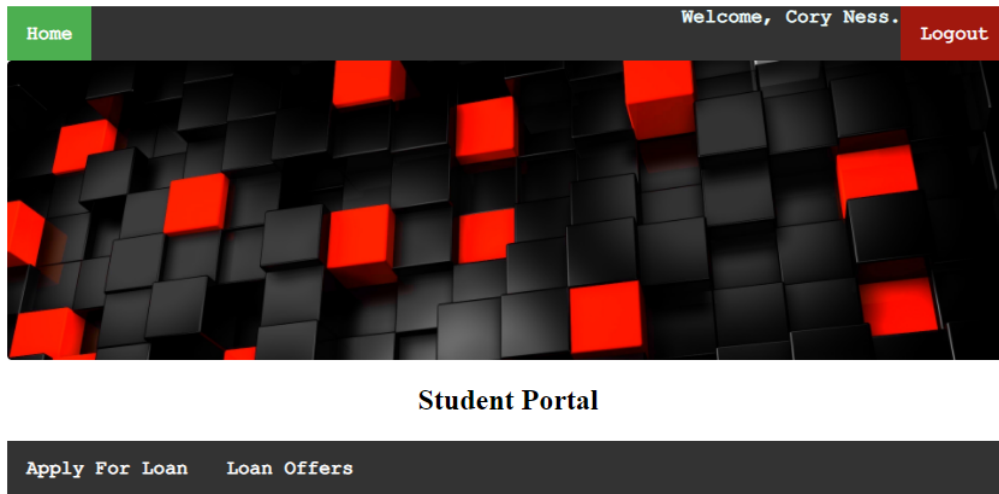


Image 4: Loan Application Page

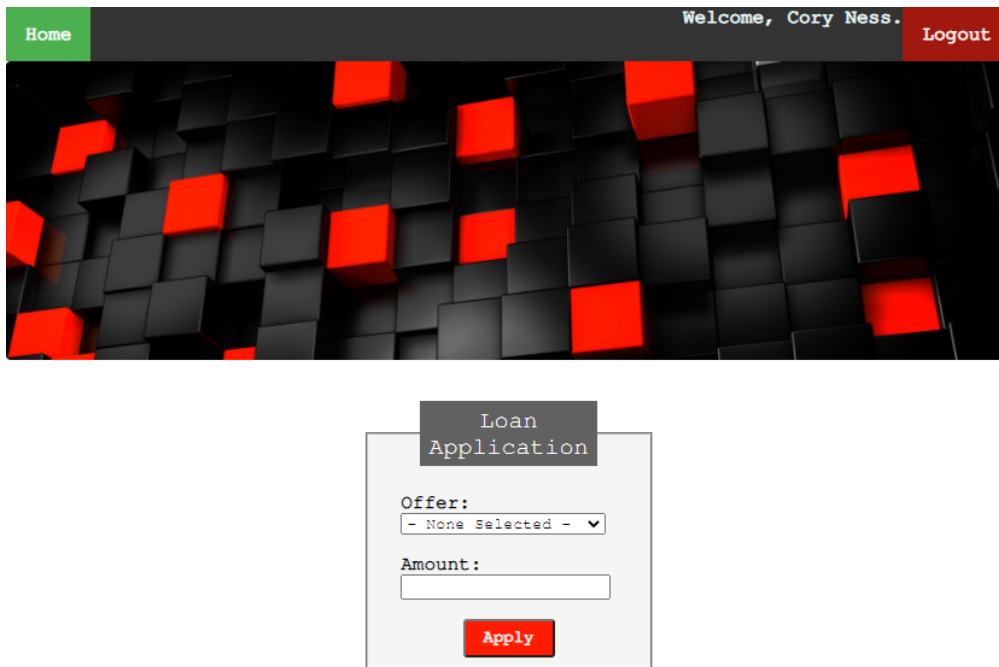


Image 5: Loan Application Error

Home

Welcome, Cory Ness.

Logout

Something went wrong when filling out information

Loan Application

Offer:

- None Selected -

Amount:

Apply

Image 6: Loan Offers

Home

Welcome, Cory Ness.

Logout

Loan Offers

Bank	Interest	Offer Name	Terms
Bank of America	7%	Presidential Loan	Unsubsidized
Bank of America	5%	Honors Loan	Unsubsidized
Bank of America	2%	Scholars Loan	Subsidized
Honey Bank	8.9%	Honey Loan	Unsubsidized
Honey Bank	6%	Sweet Honey Loan	Subsidized
Honey Bank	6%	Larvae Loan	Unsubsidized, barring exceptional circumstance, only given to lowerclassmen.

Image 7: Officer Portal



Image 8: View Loans Page

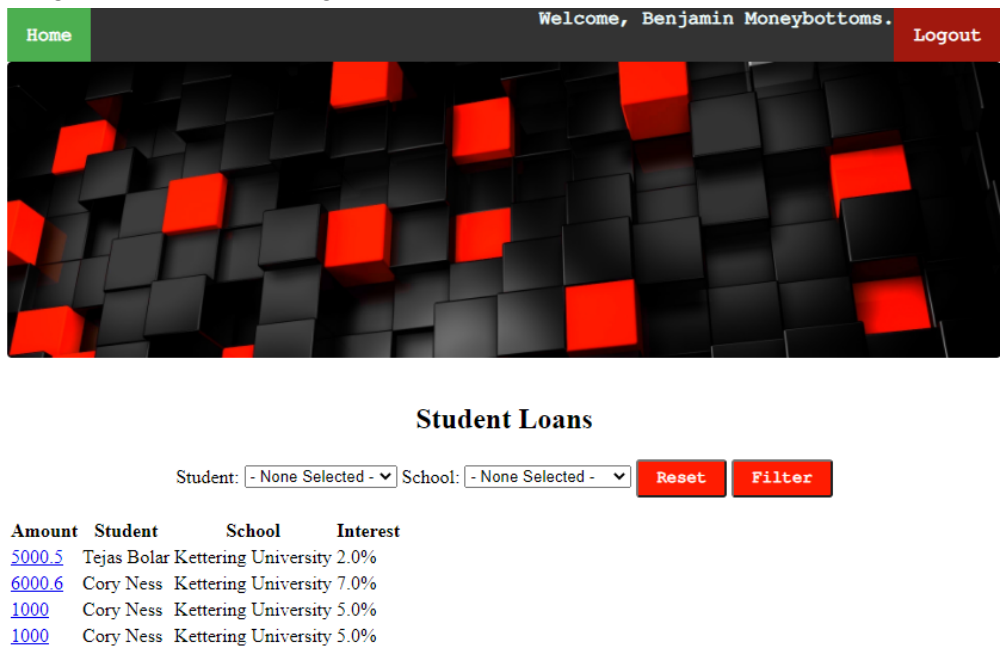
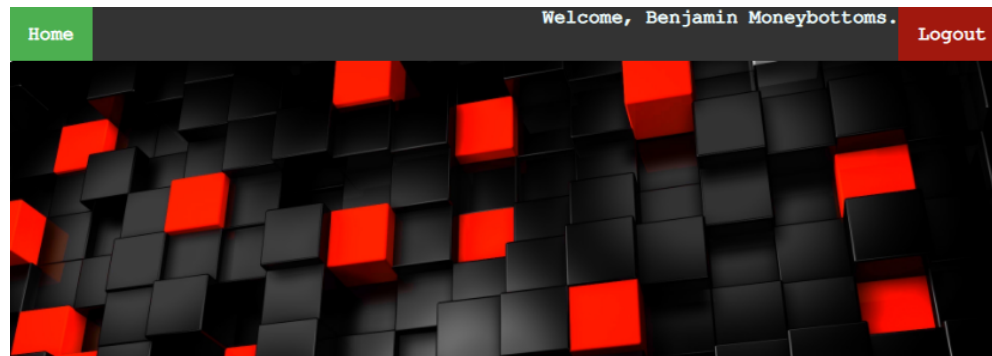


Image 9: Loan Information



Loan Information

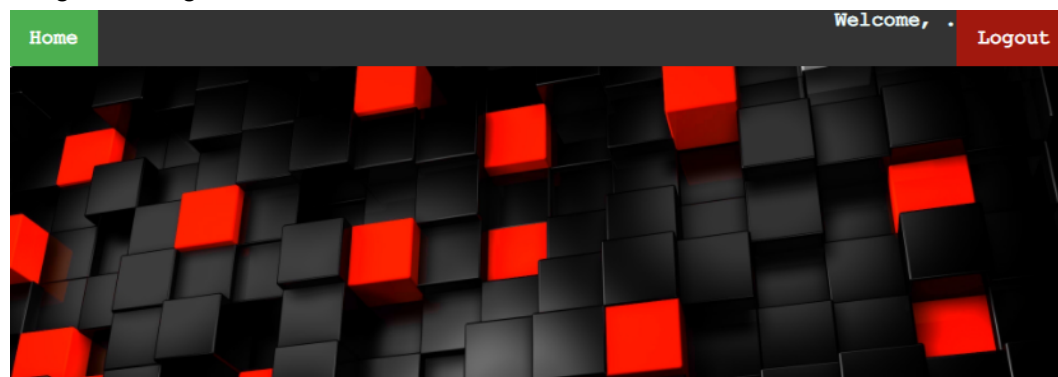
Student Information

Name	<input type="text" value="Tejas Bolar"/>
Address	<input type="text" value="103 Parker Lane, Detroit, MI"/>
School	<input type="text" value="Kettering University"/>
Tuition	<input type="text" value="548000"/>
Family Income	<input type="text" value="70000"/>
Credit Score	<input type="text" value="630"/>

Loan Financials

Amount	<input type="text" value="5000.5"/>
Interest	<input type="text" value="1.9999999552965%"/>
Terms	<input type="text" value="payback or lose your soul. TI"/>

Image 10: Registrar Portal



Registrar Portal

[View Loans](#)

Image 11: Student Loans Page

Home

Welcome, .

Logout

Student Loans

Student: - None Selected -

School: - None Selected -

Bank: - None Selected -

Reset

Filter

Student	School	Bank	Amount	Tuition
Tejas Bolar	Kettering University	Bank of America	5000.5	548000
Ian Rasch	University of Michigan	Honey Bank	7525.61	27000
Cory Ness	Kettering University	Bank of America	6000.6	54600.89
Cory Ness	Kettering University	Bank of America	1000	54600.89
Cory Ness	Kettering University	Bank of America	1000	54600.89

Image 12: Student Filter

Home

Welcome, .

Logout

Student Loans

Student: Cory Ness

School: - None Selected -

Bank: - None Selected -

Reset

Filter

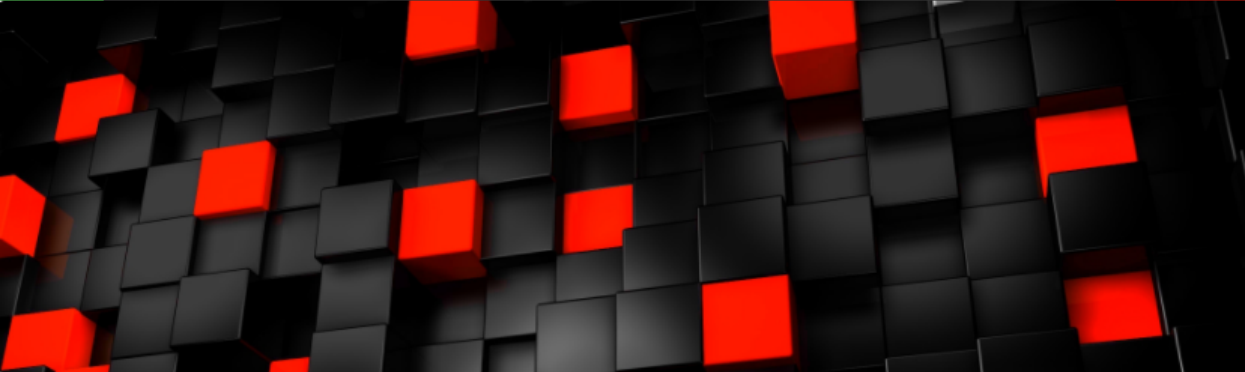
Student	School	Bank	Amount	Tuition
Cory Ness	Kettering University	Bank of America	6000.6	54600.89
Cory Ness	Kettering University	Bank of America	1000	54600.89
Cory Ness	Kettering University	Bank of America	1000	54600.89

Image 13: School Filter

Home

Welcome, .

Logout



Student Loans

Student:

- None Selected -

 School:

Kettering University

 Bank:

- None Selected -

Reset

Filter

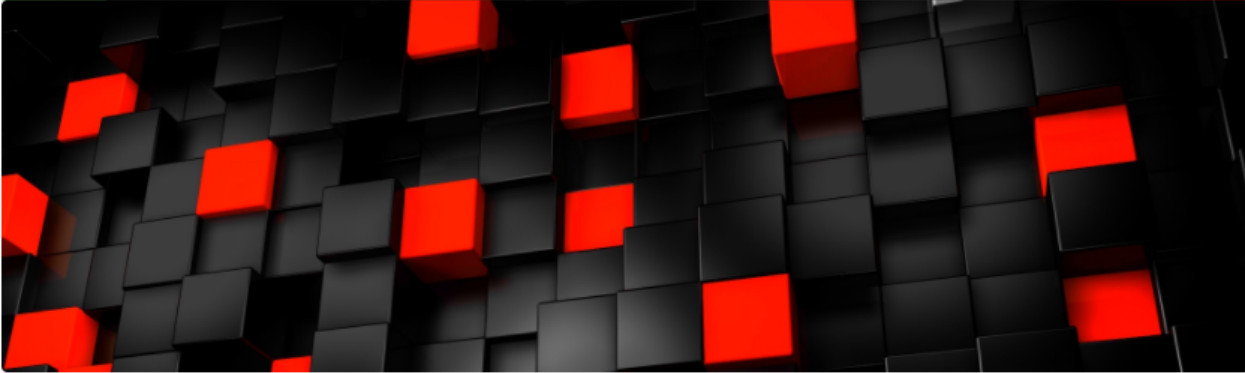
Student	School	Bank	Amount	Tuition
Tejas Bolar	Kettering University	Bank of America	5000.5	548000
Cory Ness	Kettering University	Bank of America	6000.6	54600.89
Cory Ness	Kettering University	Bank of America	1000	54600.89
Cory Ness	Kettering University	Bank of America	1000	54600.89

Image 14: Bank Filter

Home

Welcome, .

Logout



Student Loans

Student:

- None Selected -

 School:

- None Selected -

 Bank:

Honey Bank

Reset

Filter

Student	School	Bank	Amount	Tuition
Ian Rasch	University of Michigan	Honey Bank	7525.61	27000