

Informatics Institute of Technology
School of Computing
Object Oriented Programming

Module : Object Oriented Programming

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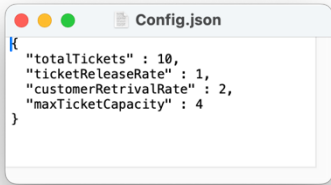
Student Surname : Harischandra

Tutorial group :G23

Test Cases

CLI Part

Test No	Test Case	Self-Assesment	Test input	Expected Output
1	Display the menu	Fully implemented	Run project	Show the menu
<pre>===== Welcome to the Real-Time Event Ticketing System ===== Manage ticketing operations seamlessly and in real-time. Features: 1. Load existing configuration or set up new tickets. 2. Start and stop ticket operations with ease. 3. Real-time ticket purchase and distribution. Please follow the prompts to begin. ===== Load existing configuration? (Y/N) Y - Load from file, N - Set up manually.</pre>				Test case status
				Pass
2	Prompt for configuration parameters	Fully implemented	N	Prompting
<pre>Load existing configuration? (Y/N) Y - Load from file, N - Set up manually. n Please provide the following details to configure the system: - Total Tickets : 10 - Ticket Release Rate (in seconds) : 1 - Customer Retrieval Rate (in seconds) : 2 - Max Ticket Capacity : 4 Configuration saved successfully! Your settings are: - Total Tickets: 10</pre>				Test case status
				Pass
3	Input string into a int	Fully implemented	"g"	Re prompt to that
				Test case status

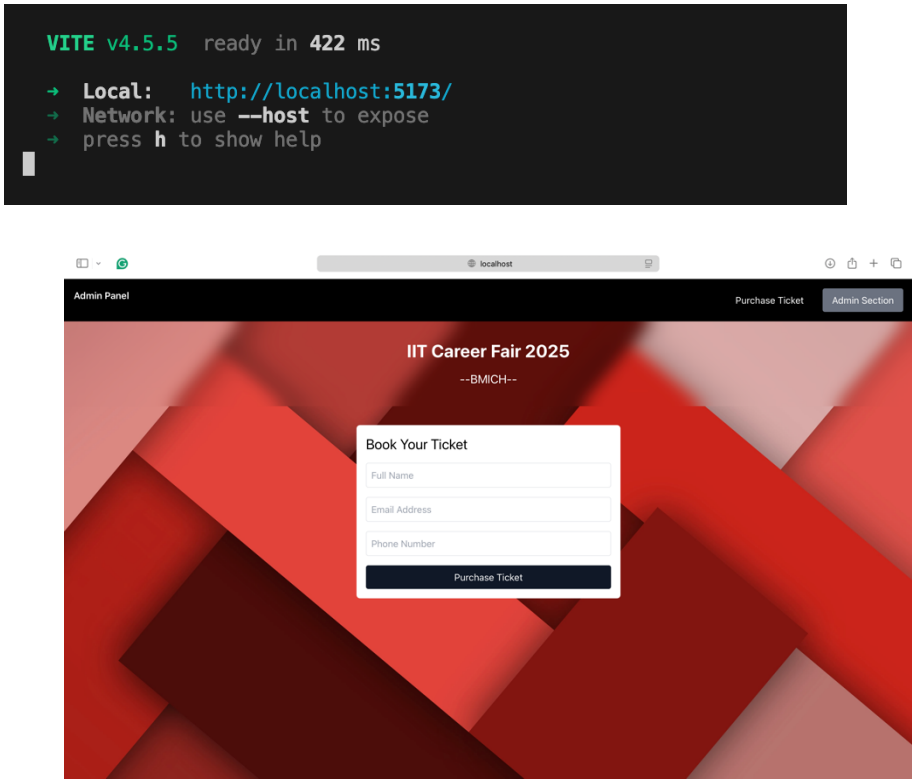
<p>Please follow the prompts to begin.</p> <p>=====</p> <p>Load existing configuration? (Y/N)</p> <p>Y - Load from file, N - Set up manually.</p> <p><i>n</i></p> <p>Please provide the following details to configure the system:</p> <p>- Total Tickets : <i>g</i></p> <p>Invalid input. Please enter a positive integer.</p>				Pass
4	Give option to load configuration from the json	Fully implemented	Select Y in starting manu	Configuration loading from the json
<p>Load existing configuration? (Y/N)</p> <p>Y - Load from file, N - Set up manually.</p> <p><i>y</i></p> <p>Dec 12, 2024 11:42:57 AM MainCLI main</p> <p>INFO: Loading the configuration file...</p> <p>Configuration loaded successfully.</p> <p>Total tickets: 10</p> <p>Ticket Release Rate: 1</p> <p>Customer Retrieval Rate: 2</p> <p>Max Ticket Capacity: 4</p>				Test case status
				Pass
5	Saving configuration as a json file	Fully implemented	Give configuration parameters	Save json file
				Test case status
				Pass
6	Giving start operation menu	Fully implemented	Give inputs for all parameters	Show menu
				Test case status

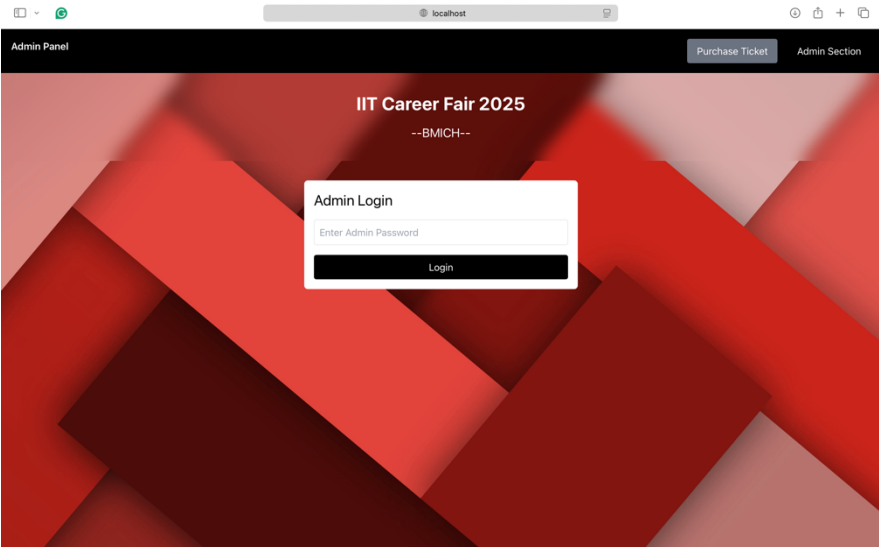
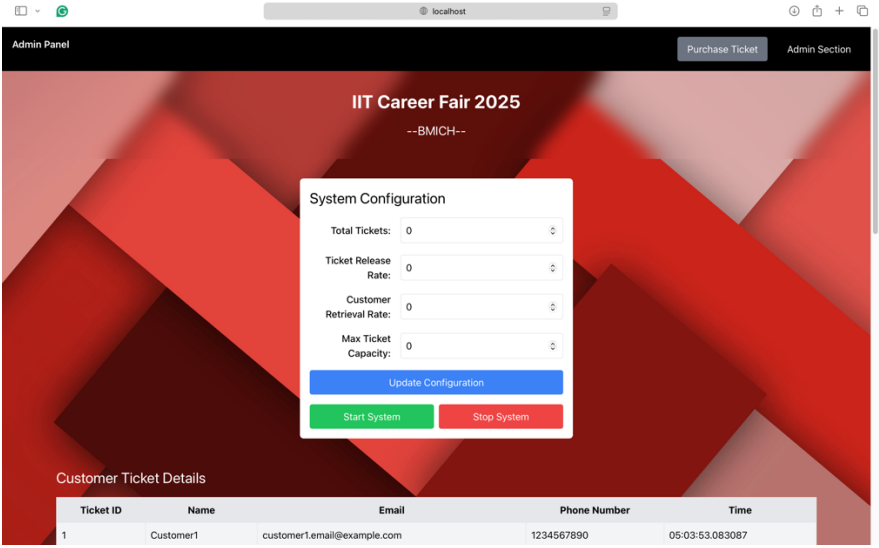
<pre>===== Main Menu - Select an Option ===== 1. Start Ticket Operations (Begin real-time ticket management operations.) 2. Stop Ticket Operations (Pause all ticketing operations currently running.) 3. Exit (Save any progress and close the system.)</pre>				Pass
7	Start ticketing operations	Fully implemented	Select 1	Start operation
<pre>===== Main Menu - Select an Option ===== 1. Start Ticket Operations (Begin real-time ticket management operations.) 2. Stop Ticket Operations (Pause all ticketing operations currently running.) 3. Exit (Save any progress and close the system.) Dec 12, 2024 11:49:19 AM Vendor run INFO: Vendor 1 adding ticket... Dec 12, 2024 11:49:19 AM Vendor run INFO: Vendor 2 adding ticket... Dec 12, 2024 11:49:19 AM Customer run INFO: Customer 1 removing ticket... Dec 12, 2024 11:49:19 AM Customer run INFO: Customer 2 removing ticket... Dec 12, 2024 11:49:19 AM TicketPool buyTicket</pre>				Test case status
				Pass
8	Starting vendors and customers	Fully implemented	N/A	Starting vendors and customers
				Test case status

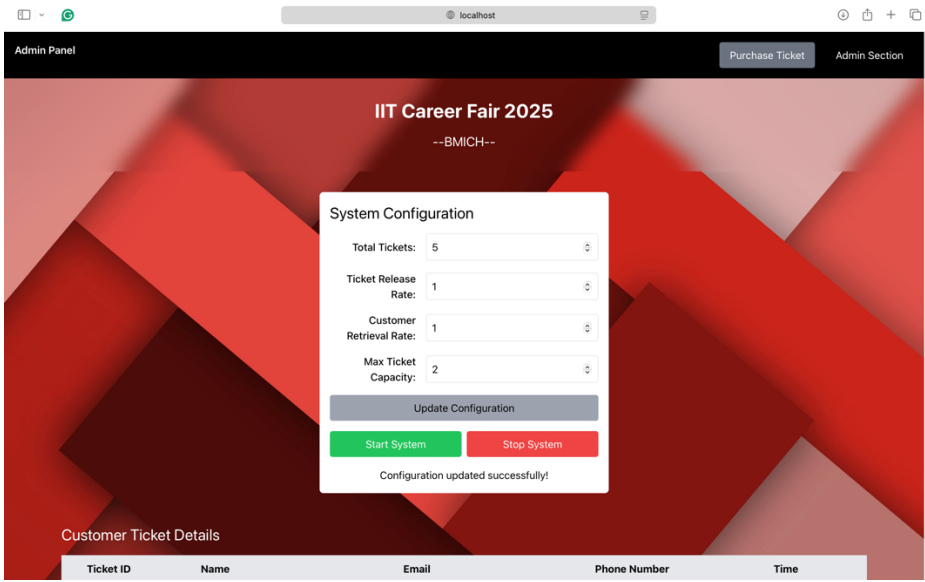
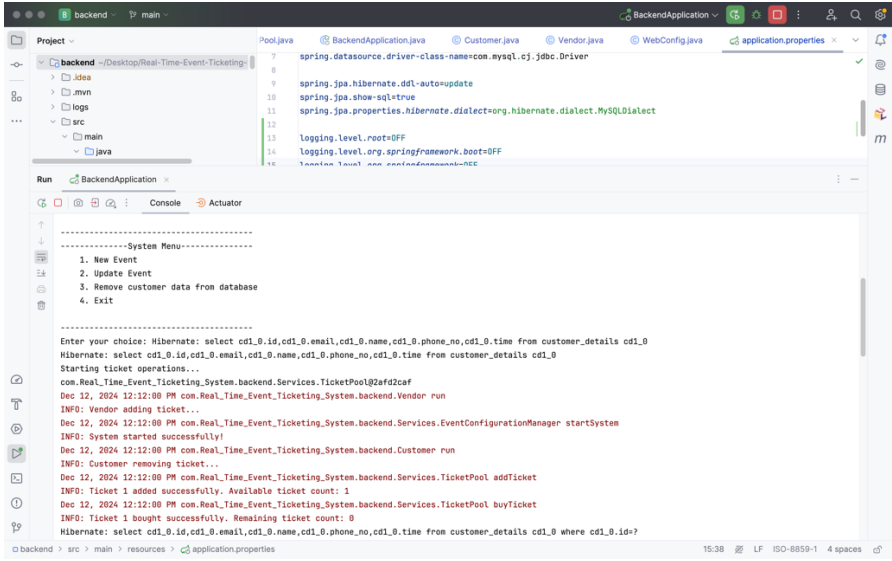
<pre> ===== Main Menu - Select an Option ===== 1. Start Ticket Operations (Begin real-time ticket management operations.) 2. Stop Ticket Operations (Pause all ticketing operations currently running.) 3. Exit (Save any progress and close the system.) Dec 12, 2024 11:49:19 AM Vendor run INFO: Vendor 1 adding ticket... Dec 12, 2024 11:49:19 AM Vendor run INFO: Vendor 2 adding ticket... Dec 12, 2024 11:49:19 AM Customer run INFO: Customer 1 removing ticket... Dec 12, 2024 11:49:19 AM Customer run INFO: Customer 2 removing ticket... Dec 12, 2024 11:49:19 AM TicketPool buyTicket </pre>				Pass
9	Stopping system	Fully implemented	Select 2 after starting system	Stopping system
<pre> 2 Stopping ticket operations... ===== Main Menu - Select an Option ===== 1. Start Ticket Operations (Begin real-time ticket management operations.) 2. Stop Ticket Operations (Pause all ticketing operations currently running.) 3. Exit (Save any progress and close the system.) Dec 12, 2024 11:52:23 AM MainCLI stopTicketingOperation INFO: Stopping ticket operations... Dec 12, 2024 11:52:23 AM MainCLI stopTicketingOperation INFO: Vendor and customer threads stopped. </pre>				Test case status
				Pass
10	End system and the application	Fully implemented	Press 3 when running	Stop the application
				Test case status

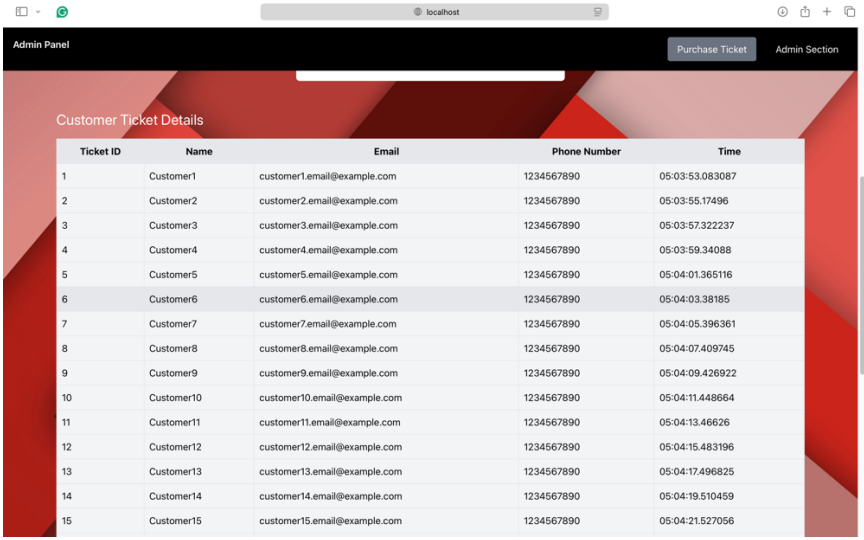
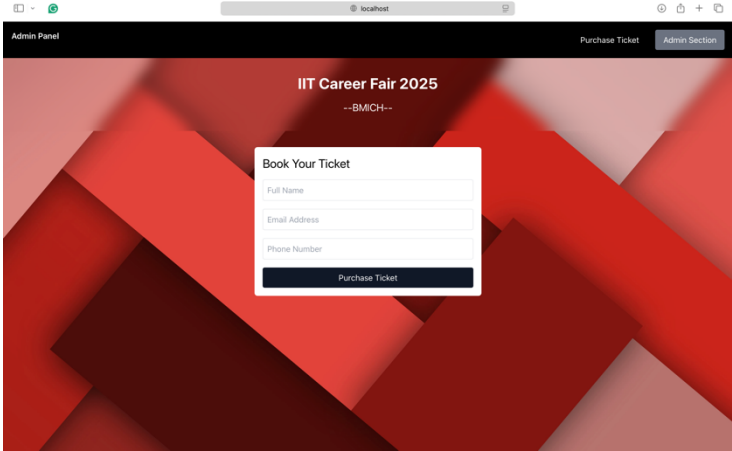
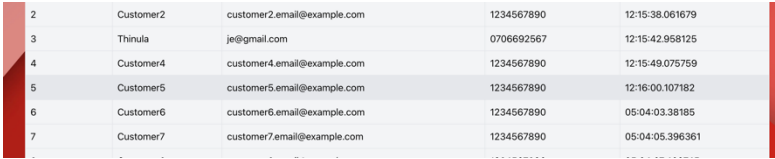
<pre> INFO: Ticket 3 added successfully. Available ticket count: 1 Dec 12, 2024 11:55:28 AM TicketPool addTicket INFO: Ticket 4 added successfully. Available ticket count: 2 3 Stopping ticket operations... Exiting the Real-Time Event Ticketing System... Thank you for using our service! See you next time! Dec 12, 2024 11:55:29 AM MainCLI stopTicketingOperation INFO: Stopping ticket operations... Dec 12, 2024 11:55:29 AM MainCLI stopTicketingOperation INFO: Vendor and customer threads stopped. Dec 12, 2024 11:55:29 AM Customer run INFO: Customer interrupted, exiting... Dec 12, 2024 11:55:29 AM Customer run INFO: Customer interrupted, exiting... Dec 12, 2024 11:55:29 AM Vendor run INFO: Vendor 1 interrupted, exiting... Dec 12, 2024 11:55:29 AM Vendor run INFO: Vendor 2 interrupted, exiting... Process finished with exit code 0 </pre>				Pass
11	When ticket pool full vendor wait to add ticket	Fully implemented	N/A	Vendor wait
<pre> Dec 12, 2024 11:57:30 AM Vendor run INFO: Vendor 2 adding ticket... Dec 12, 2024 11:57:30 AM TicketPool addTicket INFO: Ticket 5 added successfully. Available ticket count: 3 Dec 12, 2024 11:57:30 AM TicketPool addTicket INFO: Queue is full. Vendor waiting... Dec 12, 2024 11:57:31 AM Vendor run </pre>				Test case status
				Pass
12	When there is no ticket to buy customer waits	Fully implemented	N/A	Customer waits
<pre> INFO: Queue is empty, customer waiting... Dec 12, 2024 11:59:50 AM Vendor run INFO: Vendor 2 adding ticket... Dec 12, 2024 11:59:50 AM Vendor run </pre>				Test case status
				Pass

GUI Part

Test No	Test Case	Self-Assesment	Test input	Expected Output
1	Open the front end application (React)	Fully implemented	Run frontend	Web app runs
 <p>The screenshot shows the Vite v4.5.5 terminal output indicating the application is ready on localhost:5173. Below the terminal, the web application interface is displayed, featuring a red geometric background, the title 'IIT Career Fair 2025 --BMICH--', and a 'Book Your Ticket' form with fields for Full Name, Email Address, and Phone Number, and a 'Purchase Ticket' button.</p>				Test case status
				Pass
2	Admin Login	Fully implemented	Select admin section	Open admin login
				Test case status

				Pass
3	After giving password go to the admin panel	Fully implemented	Give password	Open admin section
				Test case status
				Pass
4	Configuration successfull	Fully implemented	Adding values and click the button	Configuration success
				Test case status

				Pass
5	Start and stop buttons start the system	Fully implemented	Click buttons	Start backend system
				Test case status
				Pass
6	Show customer data table in the fe	Fully implemented	N/A	Show table
				Test case status

				Pass
7	Buy a ticket from frontend	Fully implemented	Purchase ticket	Buy a ticket for that person
<div></div>				Test case status
				Pass

Diagrams

