

TestCases

This file lists the functionality tests that will be performed on the submission. Please note: the assignment specifies other code requirements (such as the use of particular data structures or method signatures) in addition to the *functionality* tested here.

Stage A testing

StageA test	Expected Outcome	Actual Outcome	Correct?
Program prompts for, and reads, the number of rows of seats, and the costs of the various seat categories.	Number of seats is based on user input. Seat category costs set from user input.		
Menu permits user to select from all Stage A options: <ul style="list-style-type: none">• Displaying available seats• Booking a seat• Refunding a seat• Displaying a report• Exit	Appropriate action taken for each menu option		
Display available seats	Neatly formatted message indicating the number of available seats		
Attempt to book more seats than exists	Appropriate error message given, return to menu		
Attempt to book a seat type that doesn't exist	Appropriate error message given and user prompted again		
Attempt to book a valid number of seats of valid seat categories	Total number of available seats decreased by number of seats booked. Receipt calculated and displayed as per stage A specifications.		
Attempt to refund more seats than have been booked	Appropriate error message given, return to menu		
Attempt to refund a seat type that doesn't exist	Appropriate error message given and user prompted again		
Attempt to refund a valid number of seats of valid seat categories	Total number of available seats increased by number of seats refunded. Receipt calculated and displayed as per stage A specifications.		
Display stock report	Neatly formatted display of: <ul style="list-style-type: none">• Number of seats sold		

	<ul style="list-style-type: none"> Percentage of seats sold Average seat price 		
Menu option 'exit' selected	Program exits.		

Stage B testing

Stage B testing involves:

- The Stage A tests except when superseded as specified below

StageB test	Expected Outcome	Actual Outcome	Correct?
Display available seats	Neatly formatted display of available seating as per stage B specifications.		
Attempt to book a seat number that has already been booked	Appropriate error message given and user prompted again		
Attempt to book a valid number of seats of valid seat categories	Total number of available seats decreased by number of seats booked. Array <i>seats</i> updated to reflect booking. Receipt calculated and displayed as per stage B specifications.		
Attempt to refund a seat type that doesn't exist	Stage B refunds shouldn't require the input of a seat type.		
Attempt to refund a seat number that hasn't been booked	Appropriate error message given and user prompted again		
Attempt to refund a valid number of seats of valid seat categories	Total number of available seats increased by number of seats refunded. Array <i>seats</i> updated to reflect refund. Receipt calculated and displayed as per stage B specifications.		

Stage C testing

Stage C requires two classes: *StageC* (containing the main method, provides a menu and collects user data), *Coach* (which provides methods with parameters in order to accept data from StageC and implement the functionality of stage B).

Stage C testing involves:

- The Stage B tests and requirements

