ECSE 428
Assignment A
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Title:	User enters the sender and receiver address.
Story:	As a user, I have to enter the sender and receiver address, so that I can calculate the Postal Rate.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user enters the Postal Code of the sender as well as the receiver into two separate fields. 3- The user enters other information required in the application. 4- The user presses calculate, so that the application calculates the postal rate.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user enters the address of the sender as well as the receiver into two separate fields in the following format: (3723 sherbroke street, Montreal, QC) 3- The user enters other information required in the application. 4- The user presses calculate, so that the application calculates the postal rate.
Error Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user enters information in the address of the sender and the address of the receiver that is not in the format of the postal code or the address specified in the alternative scenario. 3- The user enters other information required in the application. 4- The user presses calculate, so that the application calculates the postal rate. 5- Error message appears indicating that the input is not valid.

Title:	User enters the sender and receiver address in a domestic mode or an international mode.
Story:	As a user, I would like to choose if I want to send an international package/letter or a domestic one, so that I can calculate the Postal Rate.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses between a domestic mode and an international mode. 3- The user enters other information required in the application. 4- The user presses calculate, so that the application calculates the postal rate.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses between a domestic mode and an international mode. 3- The user enters other information required in the application. 4- The user presses calculate. 5- The application recognizes that the addresses correspond to the other mode not chosen by the user. 6- The application alerts the user and switches the mode upon user confirmation.
Error Scenario:	N/A

Title:	User chooses either to send a letter/document(s) or a package.
Story:	As a user, I would like to choose if I want to send a package or a letter, so that I can calculate the Postal Rate that corresponds to it.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses between sending a letter/document(s) and sending a package. 3- The user enters other information required in the application. 4- The user presses calculate, so that the application calculates the postal rate.
Alternative Scenario:	N/A
Error Scenario:	N/A

Title:	User enters the dimension of the package.
Story:	As a user, I have to enter the length, width and height of the package that I want to send, so that I can calculate the Postal Rate that corresponds to it.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package. 3- The user enters the length, width and height of the package to the nearest 3 decimal places. 4- The user enters other information required. 5- The user presses calculate, so that the application calculates the postal rate.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package. 3- The user enters the length, width and height of the package in more than 3 decimal places format. 4- The user enters other information required. 5- The user presses calculate, so that the application calculates the postal rate. 6- The calculated rate uses approximated values of the dimensions entered. (to the nearest 3 decimal places)
Error Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package. 3- The user enters different characters than numbers in the length, width and dimension fields. 4- The user enters other information required. 5- The user presses calculate, so that the application calculates the postal rate. 6- An error message appears to the user indicating the invalid input.

Title:	User enters the weight of the package.
Story:	As a user, I have to enter weight of the package that I want to send, so that I can calculate the Postal Rate that corresponds to it.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package. 3- The user enters the weight of the package to the nearest 3 decimal places. 4- The weight of the package does not exceed 30 kg or 66 lb. according to the unit chosen. 5- The user enters other information required. 6- The user presses calculate, so that the application calculates the postal rate.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package. 3- The user enters the weight of the package in more than 3 decimal places format. 4- The weight of the package does not exceed 30 kg or 66 lb. according to the unit chosen. 5- The user enters other information required. 6- The user presses calculate, so that the application calculates the postal rate. 7- The calculated rate uses approximated values of the dimensions entered. (to the nearest 3 decimal places)
Error Scenario 1:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package. 3- The user enters different characters than numbers in the weight. 4- The user enters other information required. 5- The user presses calculate, so that the application calculates the postal rate. 6- An error message appears to the user indicating the invalid input.
Error Scenario 2:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package. 3- The user enters the weight of the package to the nearest 3 decimal places. 4- The weight of the package exceeds 30 kg or 66 lb. according to the unit chosen. 5- The user enters other information required. 6- The user presses calculate, so that the application calculates the postal rate. 7- An error message appears to the user indicating the maximum allowed weight of packages.

Title:	User chooses the unit of the dimensions of the package.
Story:	As a user, I have to choose the unit of the length, width and height of the package that I want to send, so that I can calculate the Postal Rate that corresponds to it.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package. 3- The user chooses the unit of the length, width and height that he/she will enter. 4- Units available should be centimeters and inches. 5- The user enters the length, width and height of the package 6- The user enters other information required. 7- The user presses calculate, so that the application calculates the postal rate using the unit specified.
Alternative Scenario:	N/A
Error Scenario:	N/A

Title:	User chooses the unit of the weight of the package.
Story:	As a user, I have to choose the unit of the weight of the package that I want to send, so that I can calculate the Postal Rate that corresponds to it.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package. 3- The user chooses the unit of weight he/she will enter. 4- Units available should be kilograms and pounds. 5- The user enters the length, width and height of the package 6- The user enters other information required. 7- The user presses calculate, so that the application calculates the postal rate using the unit specified.
Alternative Scenario:	N/A
Error Scenario:	N/A

Title:	User chooses the language setting of the calculator.
Story:	As a user, I would like to choose the language setting of the calculator, so that I can understand the required information.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- All the information is shown in English.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- All the information is shown in English. 3- The user changes the language by choosing any language from the list provided by the calculator. 4- All the languages should be included.
Error Scenario:	N/A

Title:	User views the most commonly sent items with their dimensions and weight.
Story:	As a user, I would like to view the most commonly sent items with their dimensions and weight, so that I don't have to measure the package if it fits one of the descriptions.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package. 3- The user chooses to view the most commonly sent items. 4- A list pops up showing the description of each commonly sent package with its dimensions and weight, as well as some instructions to measure a package.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package. 3- The user chooses from a list what he/she wants to send. (The list will include the most commonly sent items) 4- The dimensions corresponding to the item chosen pops up.
Error Scenario:	N/A

Title:	User views all the available companies to send the package or letter/document(s) with.
Story:	As a user, I would like to view all the companies that are available for me to send the package or letter/document(s) with, so that I can choose the most suitable one for me.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- A list pops up showing all the companies available to send the package or letter/document(s) with.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user chooses to see the companies available to send the package or the letter/document(s) with. (Information required is not entered) 4- A list pops up showing all the companies available to send the package or letter/document(s) with, based on the international/national mode and the package/letter mode. 5- The user is asked to enter the dimensions, weight and other information required in the previous page to get more accurate results about the companies that can be used to send the package or letter/document(s).
Error Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- If there is no company is available to preform the service, the user is informed about the nearest location he/she can send the mail from.

Title:	User views the rates of all the available companies to send the package or letter/document(s) with.
Story:	As a user, I would like to view the rates of all the companies that are available for me to send the package or letter/document(s) with, so that I can choose the most suitable one for me.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- A list pops up showing a detailed rate summary of all the companies available to send the package or letter/document(s) with.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user chooses to see the companies available to send the package or the letter/document(s) with. (Information required is not entered) 4- A list pops up showing the rates of the most commonly sent items of all the companies available to send the package or letter/document(s) with, based on the international/national mode and the package/letter mode. 5- The user is asked to enter the dimensions, weight and other information required in the previous page to get more accurate results about the rates and companies that can be used to send the package or letter/document(s).
Error Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- If there is no company is available to preform the service, the user is informed about the nearest location he/she can send the mail from.

Title:	User views the guaranteed days of shipping of all the available companies to send the package or letter/document(s) with.
Story:	As a user, I would like to view the guaranteed days of shipping of all the companies that are available for me to send the package or letter/document(s) with, so that I can choose the most suitable one for me.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- A list pops up showing guaranteed days of shipping of all the companies available to send the package or letter/document(s) with.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user chooses to see the companies available to send the package or the letter/document(s) with. (Information required is not entered) 4- A list pops up showing the guaranteed days of shipping of the most commonly sent items of all the companies available to send the package or letter/document(s) with, based on the international/national mode and the package/letter mode. 5- The user is asked to enter the dimensions, weight and other information required in the previous page to get more accurate results about the guaranteed days of shipping and companies that can be used to send the package or letter/document(s).
Error Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- If there is no company is available to preform the service, the user is informed about the nearest location he/she can send the mail from.

Title:	User views the nearest office of the company that he/she decided to use.
Story:	As a user, I would like to view the nearest office of the company that I decided to use, so that I can know the address; where I can drop my package or letter/document(s).
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- A list pops up showing all the companies available to send the package or letter/document(s) with. 5- The user chooses one of the companies. 6- The user views the nearest office of the company from the sender's address.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user chooses to see the companies available to send the package or the letter/document(s) with. (Information required is not entered) 4- A list pops up showing the all the companies available to send the package or letter/document(s) with, based on the international/national mode and the package/letter mode. 5- The user chooses one of the companies. 6- The user views all the cities that the company is available in.
Error Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- If there is no company is available to preform the service, the user is informed about the nearest location he/she can send the mail from.

Title:	User edits the information entered.
Story:	As a user, I would like to edit the information that I entered, so that I don't have to re-write everything again.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- A summary of the information entered is shown along with the companies available for sending the package or letter/document(s). 5- The user chooses to edit the information. 6- The user is redirected to the previous page with the information entered previously auto-filled.
Alternative Scenario:	N/A
Error Scenario:	N/A

Title:	User changes currency type the postage displayed for each available company.
Story:	As a user, I would like to change the currency of the postage of all the companies that are available for me to send the package or letter/document(s) with, so that I can have a better sense about the postage.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- A list pops up of shipping of all the companies available to send the package or letter/document(s) with. Each available company has an associate postage with. 5- The user has the option of changing the currency. 6- The list will be redisplayed with postages in the new type of the chosen currency.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user has the option of changing the currency. 3- The user chooses to send a package or a letter/document(s). 4- The user enters all the required information needed and then presses find. 5- A list pops up of shipping of all the companies available to send the package or letter/document(s) with. Each available company has an associate postage, which is displayed in the chosen currency.
Error Scenario:	N/A

Title:	User uses the help option.
Story:	As a user, I should have the option to inquiry about anything that I don't understand in the calculator.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user has the option to inquiry about any information he/she is asked to enter. 3- The help information will pop up and show the user a detailed explanation and example of the required input if this item.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user enters invalid input in any of the required fields 3- An error message accompanied with the help information will pop up and show the user a detailed explanation and example of the required input if this item.
Error Scenario:	N/A

Title:	Users submit a ticket of suggestions or report bugs to the administrator.
Story:	As a user, I would like to report bug when I find one, or submit my opinion to the software developer to help improve it, so that I can have a better experience with the software.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to submit a report. 3- The user chooses the category of the ticket. 4- The user enters his/her email as well as the description of the bug or the suggestion. 5- The user submits the report.
Alternative Scenario:	N/A
Error Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to submit a report. 3- The user chooses the category of the ticket. 4- The user doesn't enter either his/her email or the description of the bug or the suggestion. 5- The user submits the report. 6- An error message appears asking the user to complete the required information.

Title:	User chooses the dimensions of the letter/document.
Story:	As a user, I have to choose the size of the envelope that I want to send, so that I can calculate the Postal Rate that corresponds to it.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a letter/document(s). 3- The user chooses between a regular or large envelope. 4- The dimension parameters of each size of envelope should be displayed with the options accordingly.
Alternative Scenario:	N/A
Error Scenario:	N/A

Title:	User selects the weight of the letter/document.
Story:	As a user, I have to select the weight of the letter/document. And I want to aware with the maximum weight of a letter/document.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a letter/document(s). 3- The user enters destination and source locations in the address field, and chooses letter/document size. 4- The user select the weight range from the given weight ranges.
Alternative Scenario:	N/A
Error Scenario:	N/A

Title:	User sorts the available companies according to the rate and delivery days.
Story:	As a user, I would like to sort the companies that are available for me to send the package or letter/document(s) with, by rate or delivery days, so that I would have a faster and better experience with the software.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed. 4- A list pops up of shipping of all the companies available to send the package or letter/document(s) with. The list is initially ordered by a decreasing order of the postal rate. 5- The user will choose to sort the companies according to the rate or the delivery days by increasing order.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed. 4- A list pops up of shipping of all the companies available to send the package or letter/document(s) with. The list is initially ordered by a decreasing order of the postal rate. 5- The user will have the option of sorting the companies according to the rate or the delivery days by decreasing order.
Error Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then

	presses find. 4- If there is no company is available to perform the service, the user is informed about the nearest location he/she can send the package from.

Title:	User chooses to get directed to the webpage of the selected company.
Story:	As a user, I would like to be able to get directed to the webpage of any company that I selected, so that I can check the company that I want to use.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed. 4- A list pops up showing postage of shipping of all the companies available to send the package or letter/document(s) with. 5- The user chooses to get directed to the webpage of a certain company. 6- The browser directs the user to the chosen company's website.
Alternative Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user chooses to see the companies available to send the package or the letter/document(s) with. (Information required is not entered) 4- A list pops up showing the postage of shipping of the most commonly sent items of all the companies available to send the package or letter/document(s) with, based on the international/national mode and the package/letter mode. 5- The user chooses to get directed to the webpage of a certain company. 6- The browser directs the user to the chosen company's website.
Error Scenario:	N/A

Title:	User chooses to view all the other available services provided by each carrier in the list.
Story:	As a user, I would like to know if companies are also offering any other service. So I can choose between these services, if I want to.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed. 4- A list pops up showing postage of shipping of all the companies available to send the package or letter/document(s) with. 5- If any company offers any other related service, it will also be displayed with the company, with the charge of it. 6- The user may choose any additional service offered by a company, and the rate will be updated.
Alternative Scenario:	N/A
Error Scenario:	N/A

Title:	The advertiser carrier companies will be highlighted in the results page.
Story:	As a carrier company, I would like to have my company at the top of the search and highlighted, so that it can grab more attention.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- A list pops up showing postage of shipping of all the companies available to send the package or letter/document(s) with. The sponsor carrier companies are highlighted and at the top
Alternative Scenario:	N/A
Error Scenario:	N/A

Title:	A clickable advertisement window pops up on the side of the browser/application.
Story:	As an advertiser, I would like to let have a clickable advertisement window, so the application users will have chance to see the advertisement as well as they can choose to get redirected to my company's website.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- On the side of the browser/application, the advertisement shows up every 5 minutes.
Alternative Scenario:	N/A
Error Scenario:	N/A

Title:	The advertiser gets a daily and weekly report showing some statistics about the users that chose to click on the advertisement through the application/website.
Story:	As an advertiser, I would know how many times my advertisement got clicked on, so that I can evaluate the effectiveness of the advertisement.
Normal Scenario:	1- The advertiser receives a daily and weekly report about the geographical locations as well as the number of the users who chose to get directed to the advertiser's website through the application/website.
Alternative Scenario:	N/A
Error Scenario:	N/A

Title:	The server can handle 200 find postage requests simultaneously.
Story:	The server should be able to handle at least 200 find postage requests simultaneously.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- At most 200 users enter all the required information needed and then press find at a short interval of time. 4- The server responds to the all user's devices without reducing any performance.
Alternative Scenario:	N/A
Error Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- At most 200 users enter all the required information needed and then press find at a short interval of time. 4- The server fails to responds to the all user's devices, or the responding time, is reduced.

Title:	The server can handle 200 find postage requests simultaneously.

Story:	The server should be able to respond to any request under 5 seconds.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- The server responds to the user's device within 5 seconds, A list pops up showing postage of shipping of all the companies available to send the package or letter/document(s) with.
Alternative Scenario:	N/A
Error Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- The server failed to respond to the user's device within 5 seconds. 5- An email is sent to the developer indicating the error

Title:	The application counts the average responding time and reports it to the administrator.
Story:	As an administrator, I need to know the average time of server's responding. So I will be aware if there is an issue in the system or server. It helps me on maintaining.
Normal Scenario:	1- The user opens the application using the supported platform/device for it. 2- The user chooses to send a package or a letter/document(s). 3- The user enters all the required information needed and then presses find. 4- The server responds to the user's device and the counter record this responding time, and calculate the average, then report it to the administrator
Alternative Scenario:	N/A
Error Scenario:	N/A

Title:	Maintaining
Story:	As an administrator I want to maintain the server on schedule, so I can keep the server functioning without issues or I can find the issue if there is one.
Normal Scenario:	1- The administrator, checks the average spending time of users. 2- The administrator, checks the average responding time of the server. 3- The administrator views ticket and reports from collected from the users 3- If datas are normal, then the server is functioning properly.
Alternative Scenario:	N/A
Error Scenario:	1- The administrator, checks the average spending time of users. 2- The administrator, checks the average responding time of the server. 3- The administrator views ticket and reports from collected from the users 3- If datas are abnormal or there is report of bug, then the server needs to be fixed. The administrator can maintain it, fix it, or contact the the software developer.

Story:	The server should be able to respond to any request under 5 seconds.
Normal Scenario:	5- The user opens the application using the supported platform/device for it. 6- The user chooses to send a package or a letter/document(s). 7- The user enters all the required information needed and then presses find. 8- The server responds to the user's device within 5 seconds, A list pops up showing postage of shipping of all the companies available to send the package or letter/document(s) with.
Alternative Scenario:	N/A
Error Scenario:	6- The user opens the application using the supported platform/device for it. 7- The user chooses to send a package or a letter/document(s). 8- The user enters all the required information needed and then presses find. 9- The server failed to respond to the user's device within 5 seconds. 10- An email is sent to the developer indicating the error