Christopher Bickelhaupt, Justin Sosa, Evan Wang, Beverly Wertz

Custom Computer Express
Use Case Documentation

Name	UC-1: Selecting Computer Parts
Summary	Every selected hardware component is added to the computer's final build and price.
Rationale	During the process of selecting individual computer parts, many users will decide to change or reselect their decisions. The function should be able to update the price and selection accordingly so that the cart reflects the correct build. The function also contains popup screens to allow the user educate themselves on what the part is for.
Users	All users
Preconditions	The user engages in the computer building process.
Basic Course of Events	The user indicates that he/she wants to customize a computer. 1. The software prompts the user to select a part. 2. The user selects the desired part. The user can change the selection if desired before moving on. 3. The software updates the cart accordingly to keep track of the current running price and part selection.
Alternative Paths	1. In step 3, the user can transition to any part selection to review and reselect any parts. 2. The user may decide to abort the computer customization process. The software redirects the user back to the home screen. 3. The user may decide to view information about the part to educate themselves about the specific part, how to use the part in their computer and how it impacts their computer performance and configuration.
Postconditions	All part selections have been added to the cart and the user is presented with his/her final build and price.

Name	UC-2: Questionnaire fill out
Summary	The user proceeds through the questionnaire in order to have parts selected for him/her
Rationale	Some users will be very inexperienced while purchasing a computer. This use case provides them the opportunity to have computer parts selected for them based off of their selected needs.
Users	Users with little computer knowledge
Preconditions	The user selects to have help building their computer
Basic Course of Events	1. The software prompts the user to select their answers for each question 2. The software analyzes the answers and using rating system, determines which computer best suits the user. 3. The software updates the cart accordingly to keep track of the current running price and part selection. 4. The software presents the custom computer to the user for review

Alternative Paths	1. In step 1, the user can return to the home screen if desired 2. In step 2 the software can alert the user if a question is left unanswered, providing the user a chance to submit their selection
Postconditions	All questions have been answered and the software has selected a computer to suit the user's needs.

Name	UC-3: Store to purchase pre-built custom computers
Summary	The user proceeds to the main store to purchase a pre-built computer
Rationale	Provides a quick and easy way for the user to purchase a computer without going through the complete process of customizing their own.
Users	All users
Preconditions	The user selects the store portion of the application
Basic Course of Events	1. The software displays the available computers, consisting of images, specifications, and price. 2. The user selects a computer 3. The user is directed to checkout
Alternative Paths	1. In step 2, the user can select to customize a pre-built computer. This will fill the cart with the parts from the pre-built computer, but allow the user to go through customization as in UC-1: Selecting Computer Parts 2. The user may decide to leave the store. The software redirects the user back to the home screen.
Postconditions	The user has selected a computer to purchase and presented with the checkout screen.

Name	UC-4: Checkout
Summary	After selecting a computer, either from the store, questionnaire, or computer building process, the user will be presented with a checkout screen to complete their purchase.
Rationale	The main function of this application is to provide users with the ability to purchase computers. In order to do this, the user must be presented with a checkout screen that provides a summary of the order and payment options.
Users	All users
Preconditions	The user's cart has been filled with computer parts
Basic Course of Events	1. The software prompts the user to input their billing information 2. The software prompts the user to input their shipping information if it is different from billing information 3. The user is shown a confirmation page of their billing and shipping info along with the total price of their computer purchase 4. The user submits their purchase
Alternative Paths	1. In step 1, 2, or 3 the user may return to the previous page to edit their information or cancel the computer purchase

Postconditions	The user's purchase has been submitted to CCE. The transaction is complete.

Name	**UC-5: Check order status**
Summary	After successfully completing a computer purchase, the user is able to use the mobile app to check their order status.
Rationale	One of the primary goals of the mobile app is to provide the user with access to their order status wherever they are. By knowing the current status of their order, users can better anticipate when their computer will arrive.
Users	Users that have recently purchased a computer from CCE
Preconditions	The user has been given a confirmation number after purchasing a computer from CCE
Basic Course of Events	1. The software prompts the user to input their confirmation number 2. The software displays the current status of the users order (order processing, payment completed, order shipped)
Alternative Paths	1. In step 2, if the confirmation number does not exist the user is returned an error message describing the situation
Postconditions	The user's order status is displayed

Name	**UC-6: Navigate to pre-built computers from initial opening of the application**
Summary	Once the user opens the application, they will be able to navigate to the store from the main menu.
Rationale	Users should be able to access the store in no more than 1 link from the main menu.
Users	Users that want to look at the Pre-built computers
Preconditions	The user has to just have opened the application and the main menu is open.
Basic Course of Events	1. The user shall click on the 'Pre-Built Computers' button. 2. The application loads the list of pre-built computers
Alternative Paths	None
Postconditions	The pre-built computers menu is displayed to the user.

Name	**UC-7: Navigate to questionnaire from initial opening of the application**
Summary	Once the user opens the application, they will be able to navigate to the questionnaire from the main menu.
Rationale	Users should be able to get help on deciding a computer from the store page

Users	Users that want to look at the CCE store but do not know what they want to buy
Preconditions	The user has to just have opened the application and the main menu is open.
Basic Course of Events	1. The user shall click on the 'Help Me Buy A Computer' button. 2. The application loads the Questionnaire Pre-Start Page 3. The user shall click on the 'Begin Questionnaire' button
Alternative Paths	User can Select the 'Return to Main Screen' Button to return to the Main Menu of choices
Postconditions	The questionnaire is displayed to the user

Name	UC-8: Navigate to a pre-built computer from pre-built computer main paige
Summary	Once the user is at the pre-built computer page, they will be able to select one of the pre-built systems to view the specifications
Rationale	Users should be able to quickly see pre-configured machines and prices from a centralized page to help them quickly narrow down their purchasing options
Users	Users that want to look at the Pre-built computers
Preconditions	The user must have the pre-built computer menu open
Basic Course of Events	1. The user shall select one of the pre-built computers 2. The application loads the selected prebuilt computer
Alternative Paths	User can select to return to the main screen menu
Postconditions	The selected pre-built computer specification is displayed to the user.

Name	UC-9: Customize computer part information pop-up
Summary	The user will be able to get information about a specific part on an educational screen throughout the customize purchase process.
Rationale	Users who want to learn more about a certain computer part in the store should be able to learn about the part from CCE without needing to access an external application or website
Users	Users that want to learn more about individual computer components and their usage
Preconditions	The user must be on a custom configuration screen and in the process of selecting a certain part
Basic Course of Events	1. The user shall click the help button on the page 2. The application loads the database stored information on what the component is and how it helps the customer
Alternative Paths	None

Postconditions	The custom educational/information screen is displayed to the customer

Name	UC-10: Customize Computer Part Image pop-up
Summary	The user will be able to see an image of the specific part by selecting the view button on the selection screen
Rationale	Users should be able to view images for a specific part with a view button from the customization screen
Users	Users that want to customize a computer and view a specific part
Preconditions	The user needs to be on a specific part selection screen where images are available
Basic Course of Events	1. The user shall click on the 'View' button next to the part they want to see the image of 2. The application loads the image of the corresponding part
Alternative Paths	None
Postconditions	The image of the part is displayed on the screen for the customer

Name	UC-11: Exit Application Function
Summary	The user will be able to exit the application quickly from the main screen and terminate the process without the user needing to quit the process from running
Rationale	Users should be able to exit the application at any time from the main menu with the 'Exit Application' button and the application not stay resident
Users	Users that want to be sure the application has closed completely
Preconditions	The user needs to be on the main screen of the CCE application
Basic Course of Events	1. The user shall click on the 'Exit Application' button from the main menu 2. The application terminates the application cleanly and leaves no resident processes behind
Alternative Paths	None
Postconditions	The application is completely closed out and all memory is freed.