Browsing for products

Use case: *Browsing for products*
ID: *Browsing for products*
Short description: *The user (or Administrator) can browse through several products from a browsing system that is connected to several different stores. He can than view more info on a product specific page, which also includes the option to comment, rate or »watch« the product.*
Primary actors: *The user (shopper)*
Secondary actors: *The Administrator*
Conditions that are needed for execution: *The user (ar Administrator) must not have his IP address banned, can be logged in and must present a valid keyword (if he is browsing by keyword).*
Main course of execution: *The user can either input a keyword on the »search« text box or choose to search for products by category. When he is presented with the results, he can either go directly to the store which sells the product to order it from there, or check out more about it in the product specific page. There he can also find the commenting and rating section, as well as the »watch« option.*
The state of the system after execution: *In the results of the search field, the products will be organized from most expensive to cheapest or vice-versa, or it can also be organized from best ratings to the worst or vice-versa, depending on what the user selects on the »order« select box.*

Alternative paths:
  1. The communicative channel is disrupted
     - Any progress is lost and reverted to before the change happened
  2. The users IP address is banned
     - The user can't use the website due to misuse
  3. No results found (in searching by keyword)
     - No products will be shown and a warning message appears.

Build your PC

Use case: *Build your PC*
ID: *Build your PC*
Short description: *This PU describes an interface, which is built on top of the browsing for products section of the web page but with a more user friendly interface for PC enthusiasts that has already pre-defined parts needed to build PC. The user just needs to select what type of product they want to purchase. The products presented are connected from online stores that sell it. The purpose of the PU is to minimize delivery charges that can happen when buying from multiple stores. The company will handle most of the charges, giving the user a much more seamless experience.*
Primary actors: *The user (shopper)*
Secondary actors: *The Administrator*
Conditions that are needed for execution: *The user (ar Administrator) must not have his IP address banned, can be logged in and must present a valid keyword (if he is browsing by keyword).*
Main course of execution: *As the interface includes the option to browse for products, it will include searching by keyword as well as category (mainly). The user will have several sections, each section representing a piece of hardware needed to build a PC. These sections will each have a search table that shows products related to the due section, where the user will be able to browse from several similar products available, choose the most suitable one (or cheapest, depending on the type of order chosen). When he completes his build (and confirms it), it is also displayed (for predefined compatible parts) if the build is compatible. The user can then choose to buy the parts via links to the stores or through our interface, where we handle most of the shipping expences. In the later, the user is promped to input the shipping and billing info (if they have an account, it's probably already stored, so they just have to sign in).*
The state of the system after execution: *The System will have displayed the combination of pieces of hardware selected by the user to build the PC. The final price*

for all the hardware will be displayed in the end. In addition, the system will process the inputed values, generate a receipt (if the user buys via our interface), and send it to the provided e-mail address.

Alternative paths:
1. The communicative channel is disrupted
   - Any progress is lost and reverted to before the change happened
2. The users IP address is banned
   - The user can't use the website due to misuse
3. No results found (in searching by keyword)
   - No products will be shown and a warning message appears.
4. The user doesn't submit the input form
   - A warning message appears if he wishes to discard or continue with inputing/submitting
5. The input is refused by the site's input checking
   - If the site finds any XSS attacts or SQL injections inside the input, the site will refuse it, informing the user with an error message.