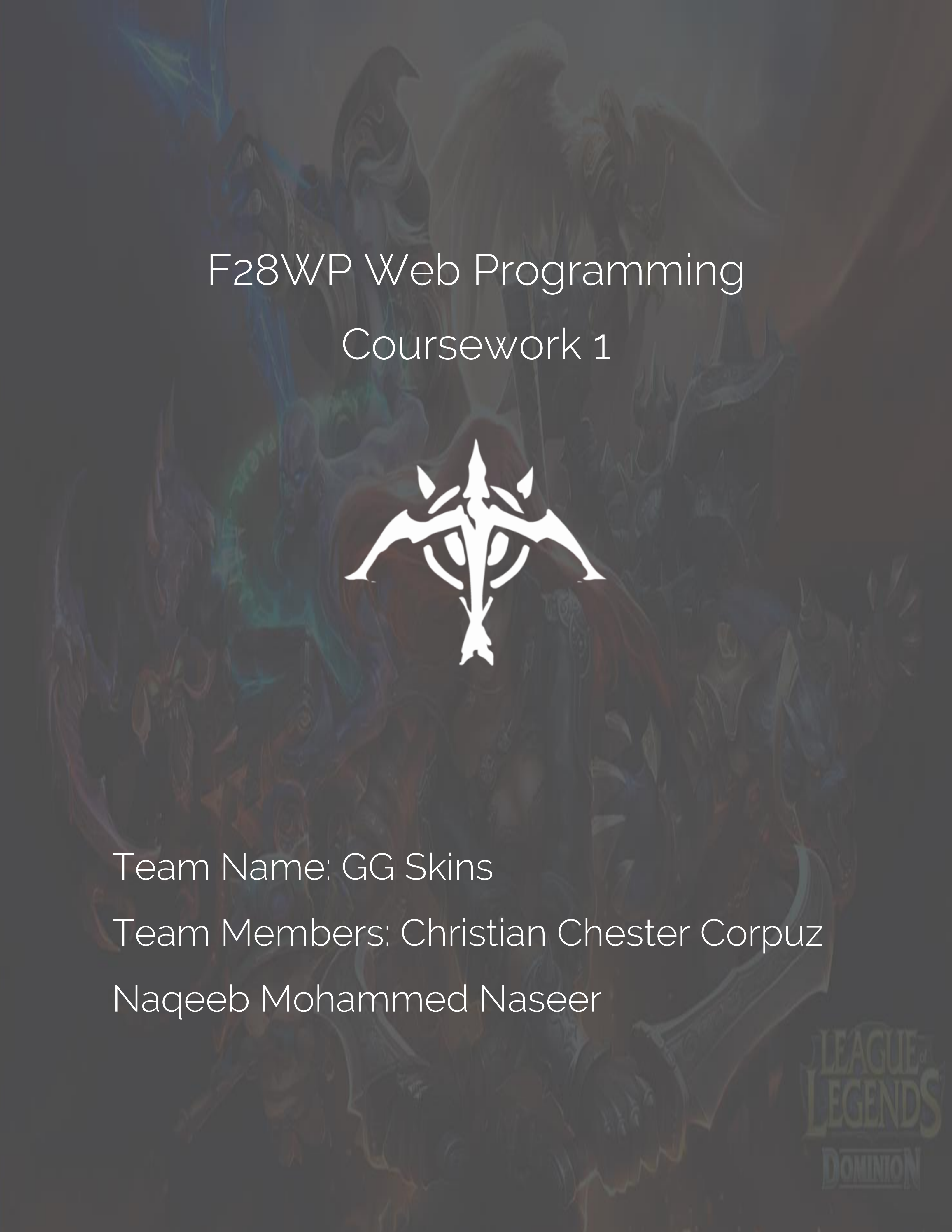


F28WP Web Programming

Coursework 1

Team Name: GG Skins

Team Members: Christian Chester Corpuz

Naqeeb Mohammed Naseer

GG Skins

GG Skins is an online League of Legends champion skin reseller. From the fonts used to the colors chosen, GG Skins aims to be a simple to use, minimalistically designed e-commerce website.

The Website

Front End:

The current version of GG Skins is comprised of 5 main pages: The Home, Products, Product Selection, Cart and Purchase Summary page.

- The Home page is the first webpage loaded by the website. This page only serves as a welcome to new customers and has no other functionality. HTML5 elements used include unordered list for the navigation bar and paragraph for text information. Divs were also used to separate different blocks.
- The Product page displays all available products. The products are displayed using image and paragraph tags hard coded as list items in an unordered list. Anchor tags along included with the images take the user to the Product Selection page of a particular product on click of the image.
- The Product Selection page allows the user to add the desired product into the cart. The JSP implementation of GG Skins starts from this page.
- The Cart displays all selected products along with their total cost. The user has the option to remove individual products from the cart or empty the cart all together. An HTML form is used to collect the details of the user for the checkout process. HTML button tag is used for both the “Empty Cart” and “CheckOut” buttons. The Required attribute is used for the form so that users are not allowed to move to the next page without filling the form.
- Purchase Summary page displays the purchase details along with an option to go back to the Home page.

Back End:

JSP was used to handle the back end processing of GG Skins. The following is a list of key back end implementations:

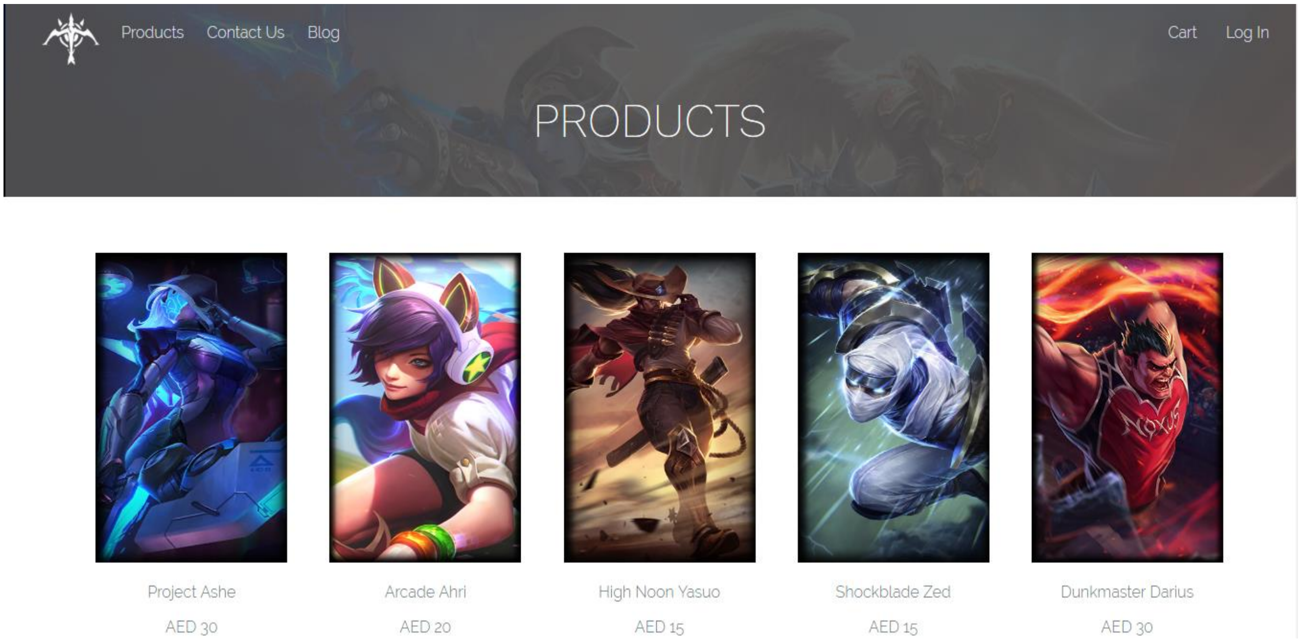
- A Java Bean, Product.java, is used. It has getter functions to access price and name of selected products. Products are stored in a Vector of type Product. Product type objects have a name and price. The Vector is stored in the session.
- In the Cart page, if statements were used in such a way that if the cart was empty, the “CheckOut” button will not be visible on the screen.
- The total price is calculated by iterating over the elements in the Vector, getting the price of each element and adding them together.
- A FileWriter is used to write purchase details into a text file. It keeps track of every purchase done on the website.
- After a purchase is complete, the Vector is cleared so as to remove old data and also to record details of a new purchase.

Strengths and Limitations

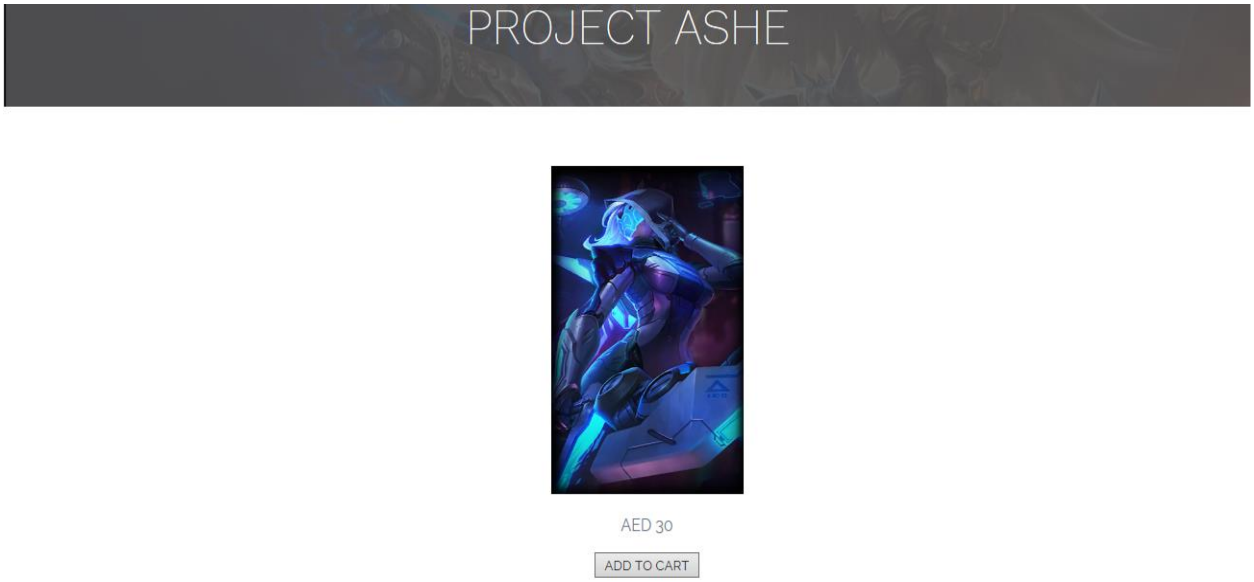
- The strength of GG Skins is that it is successfully able to perform all the tasks that were mentioned in the specification.
- An extra feature which is the ability to remove individual products from the cart was implemented.
- The limitation of GG Skins is that the Product and Product Selection pages are not dynamically generated. Multiple Product Selection pages had to be made for different products which proved to be cumbersome. Moreover, since the Product Page is hardcoded the page is not very extendible in case new products are to be added.
- Transitions and the like could be added to further improve the aesthetics of the website.

Testing

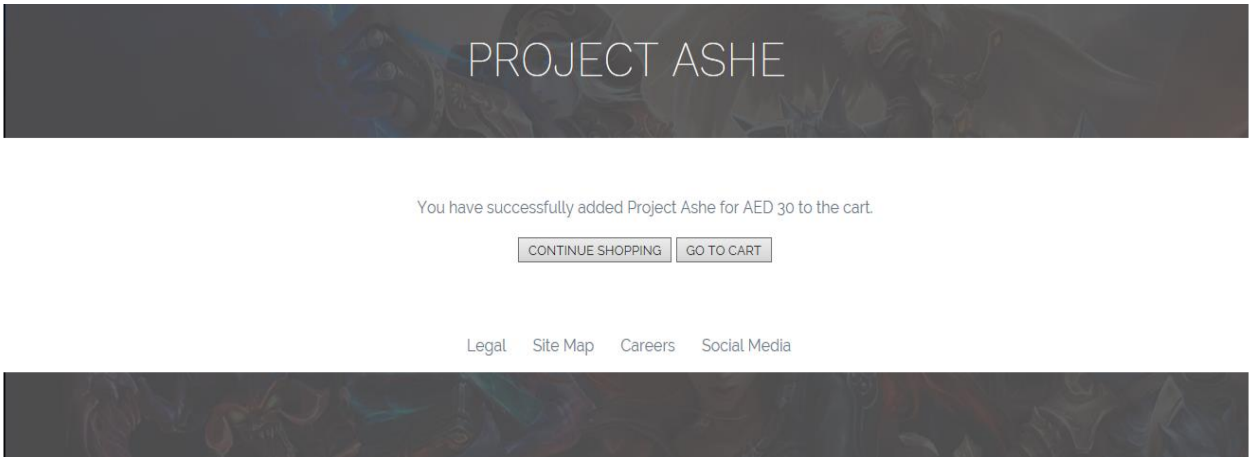
- Required product is selected.



- Selected Product is added to cart.



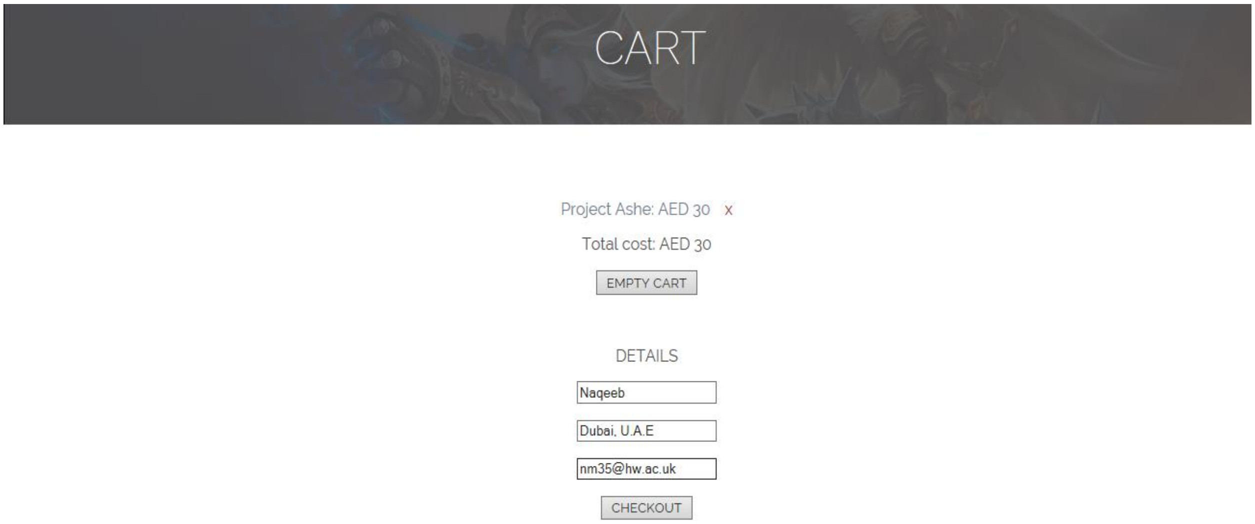
- Confirmation page presented. Either continue shopping or go to cart.



PROJECT ASHE

You have successfully added Project Ashe for AED 30 to the cart.

- Cart page displays selected products and the details form.



CART

Project Ashe: AED 30 x

Total cost: AED 30

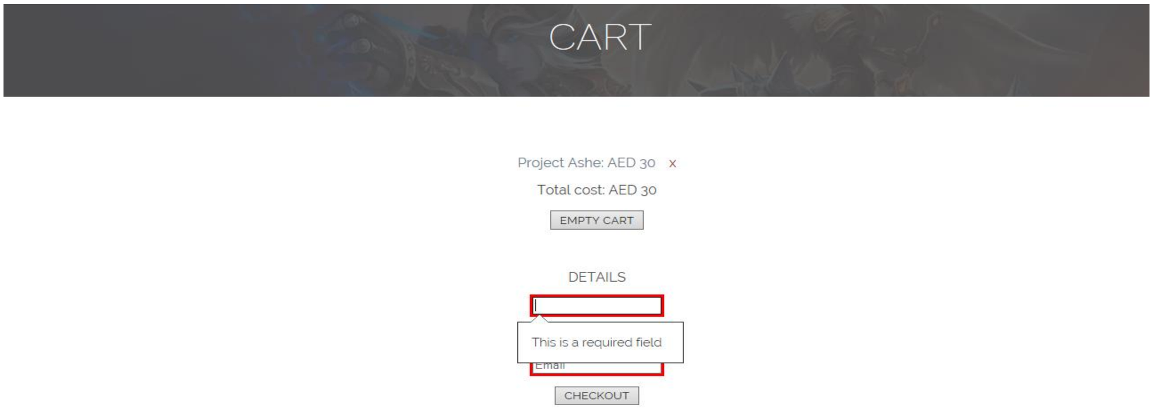
DETAILS

Naqeeb

Dubai, U.A.E

nm35@hw.ac.uk

- When “CheckOut” is clicked without filling the form

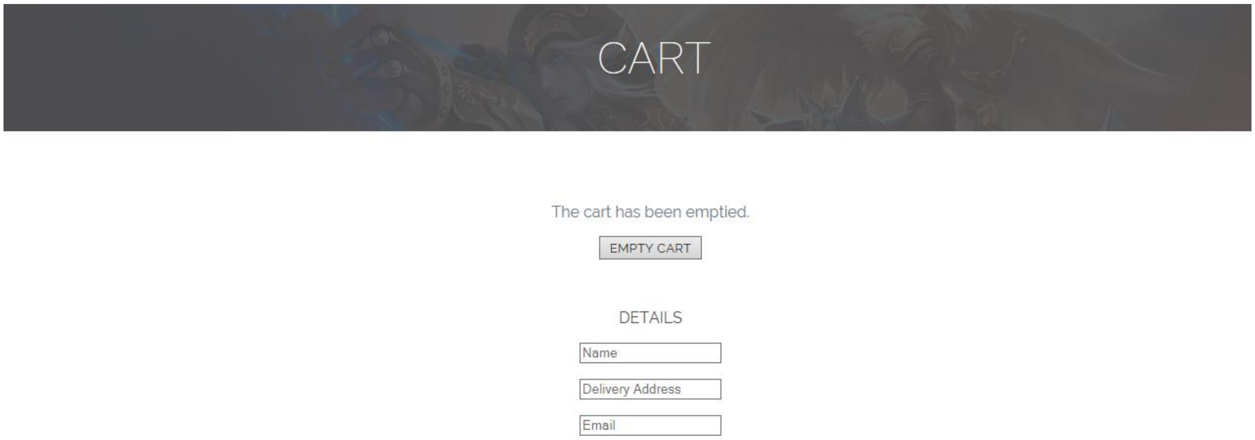


Project Ashe: AED 30 x

Total cost: AED 30

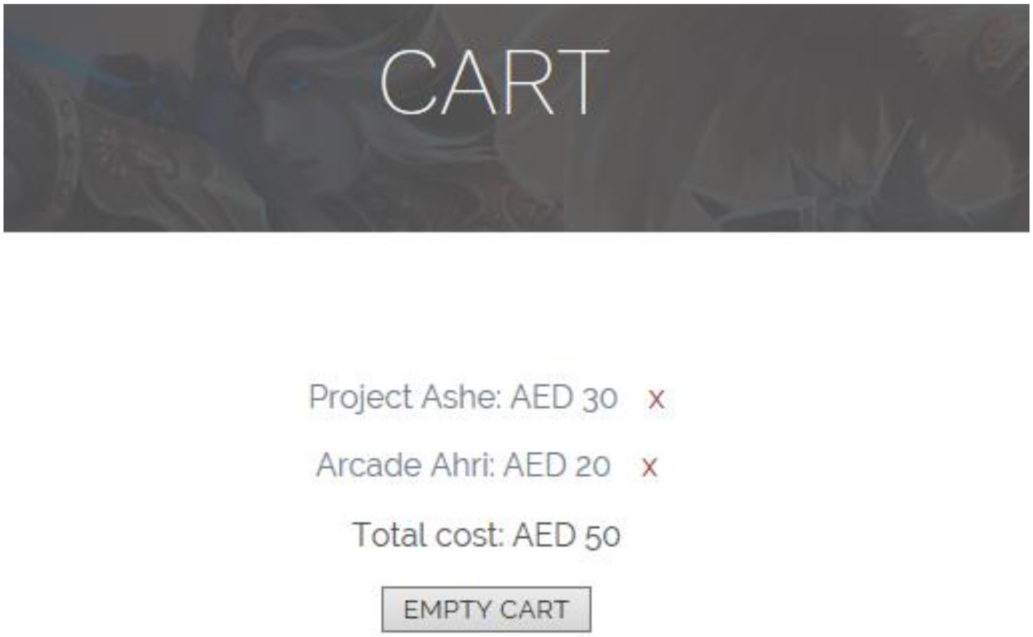
This is a required field

- “CheckOut” button invisible when Cart empty.



The cart has been emptied.

- Addition of prices when multiple products selected.

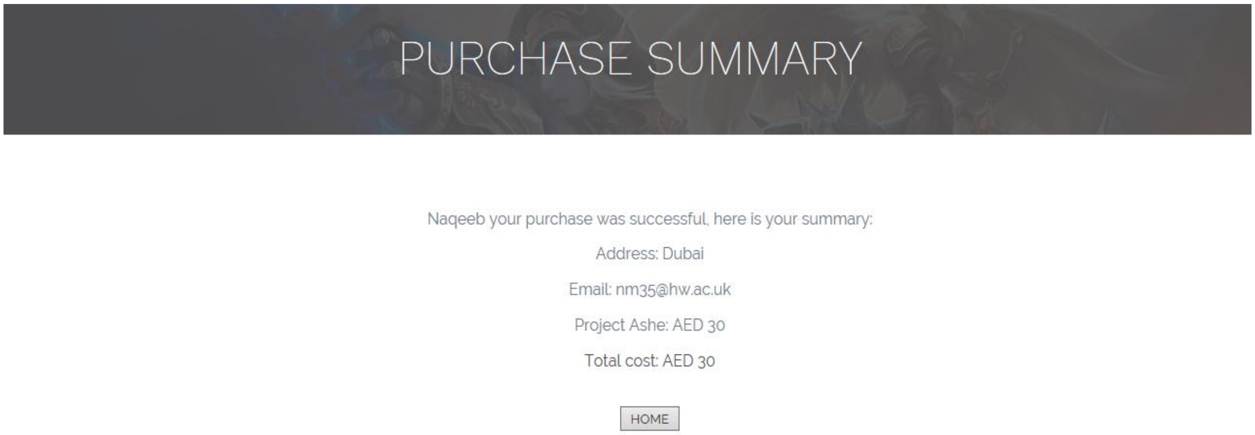


Project Ashe: AED 30 x

Arcade Ahri: AED 20 x

Total cost: AED 50

- Purchase Summary Page.



Naqeeb your purchase was successful, here is your summary:

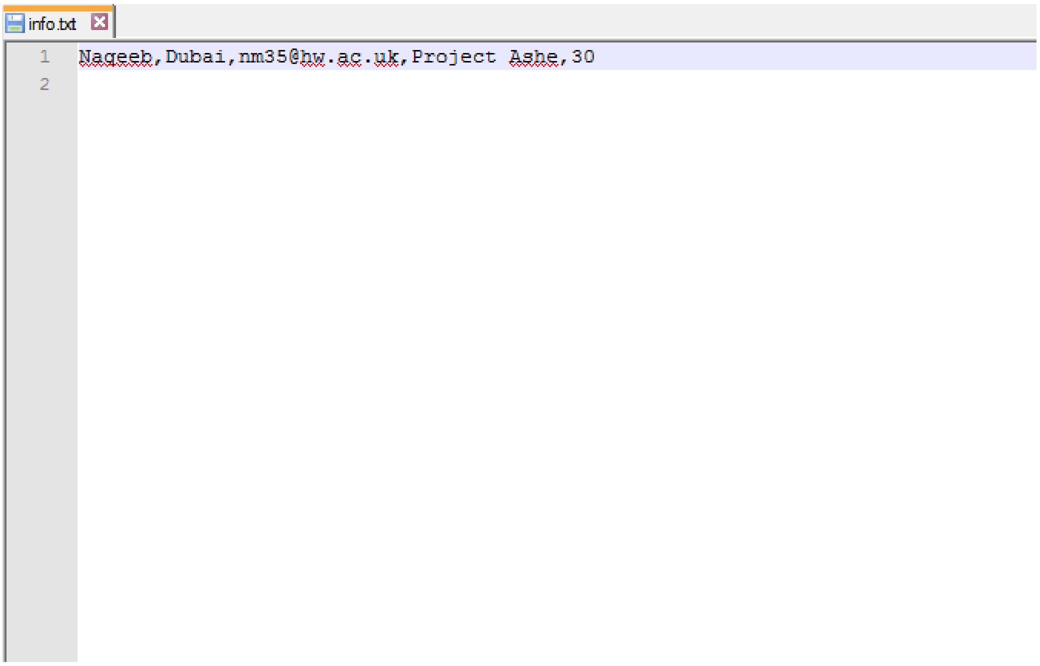
Address: Dubai

Email: nm35@hw.ac.uk

Project Ashe: AED 30

Total cost: AED 30

- Text file where purchase details are stored.



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Naqeeb,Dubai,nm35@hw.ac.uk,Project Ashe,30
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Work Split

- Chester’s contribution includes Product Selection XHTML page, the Java bean and Cart JSP page.

- Naqeeb’s contribution includes Product XHTML page, CheckOut JSP page and the report.

- CSS file was written by both teammates for the pages they authored.

- The Home page and Add JSP file was written by both teammates. Reason being that the Home page required discussion about theme and layout which resulted in the need for both teammates’ input. Moreover, it was felt that the first JSP file of the website should be written together so as to learn and get a feel for the new programming language.

Dev Notes

- Only the first 5 products of the 10 displayed are clickable.
- Absolute path is used for the text file. Path must be changed to an appropriate one to avoid errors.
- Footer links are not functional.
- Recommended to use Notepad++ or the like to open the text file so as to view purchase details in proper format.
- Eclipse should be run in administrator mode to avoid “access denied” errors.
- Java permissions should be set to full control to avoid errors related to writing to the file.

References for Images Used

back.png
http://www.wallpapersxl.com/wallpapers/1920x1080/league-of-legends/391598/league-of-legends-games-lol-dominion-splash-screen-391598.jpg

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http://vignette1.wikia.nocookie.net/leagueoflegends/images/5/54/Marksman_Large.png/revision/latest/scale-to-width-down/354?cb=20140907112830

ashe.png
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