**Report of Assignment 3**

Written by Sven Gerhards. Reviewed and discussed with Isaac Clancy and Austin Chen.

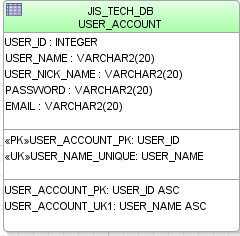
About

The purpose of this report is to introduce our JIS Tech Project. Every feature and design decision will be listed and discussed in details. We continuously worked on our project using GitHub (https://github.com/Paraakie/InternetpaperA3)

**Features**

User-Accounts

A user account has five variables. First off ID, which are generated by the program as well as a Nickname, Username, Password and Email Address. Username like the ID must be unique and can only be alphanumeric. The Password has to be between 7 and 15 characters long as well as include one capital letter. After registering, the user will be logged-in automatically.



\*Details of User-Account\*

\*The User ‘TheToolman’ was implemented as requested.

Log-in & Sign-Up page

In order to use our website, one has to create a user-account by going to the Sign-pu page. If one has an account they can log in through the log-in page.



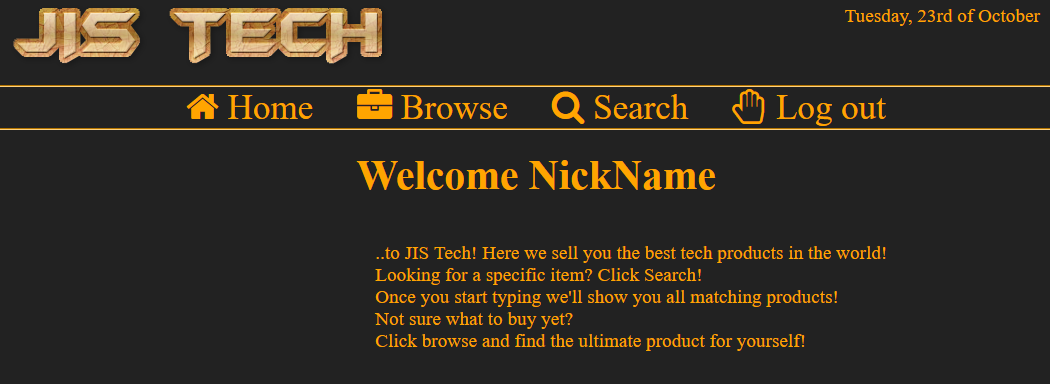
\*Screenshot of log-in page\*



\*Screenshot of log-out page\*

Home-Page

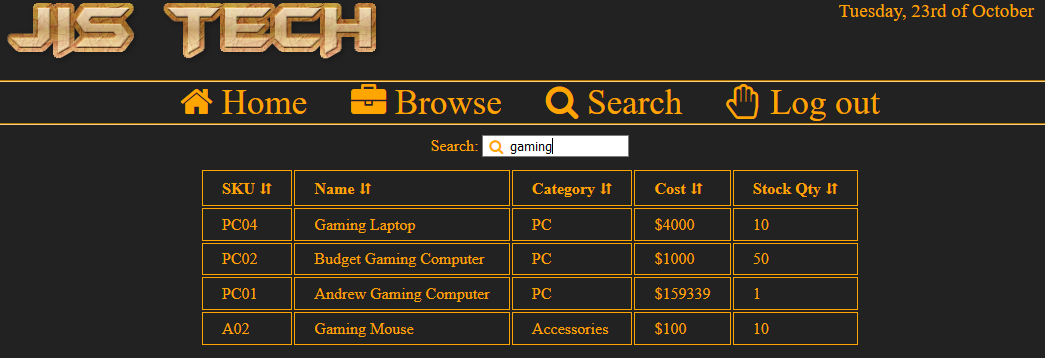
Whenever a user logs in they are redirected to the main menu. Here, one is greeted by a welcome message and an user instruction. Furthermore the user can navigate to the Search-Page and the Browse-Page, as well as log-out.



\*Screenshot of home-page\*

Search-Page

The Search page functionality was implemented using AJAX, once the table gets input the character(s) are compared to the existing Product names and matches will be displayed. No input shows all Products.



\*screenshot of search page\*

Browse-Page

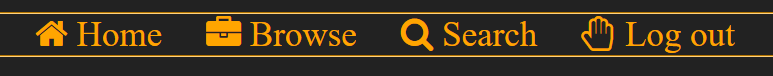
The browse page uses buttons to filter all available products. One can also click the product properties to sort them. The products are displayed in a professional looking table.



\*screenshot of browse page; showing all PCs, sorted by SKU\*

Top Menu

The Top-Menu was contained in a ‘div’, using a CSS #id made it easy to design the Top Menu. Additionally it looks more professional with icons next to the options.

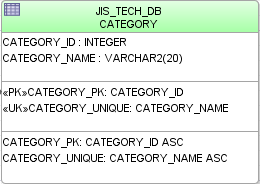
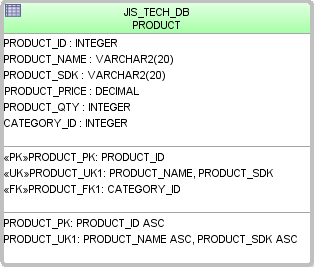


Products & Categories

We agreed to create a tech company, JIS Tech, hence all products are computer hardware related. The properties of a products are ‘Name’, ‘SKU’, ‘Cost’, ‘Quantity’ and ‘Category’.

E.g. Gaming Laptop, PC01, $4000, 20, PC

Twenty Products and five Categories have been implemented.



\*Details of Product and Category Object\*

**Design Choices**

Footer

In all the screenshots one is able to see the footer that is because it always sticks to the bottom. We designed the website this way to avoid overlap the long product table as well as personal preference.

**Database schema and Relations**

Data-Modelling is straight forward. The database contains users, products and categories. Only Product and Category are related to each other. This is used in the browse-page to easily find all product from one category.

