For my part of the project I undertook the implementation of a signup/login system as well as the customise product system.

In relation to the signup/login, the work was quite straightforward as I’ve done it numerous times before. I implanted a custom user sign up page allowing for our needs to be met. This signup allows users to add an address as well as their first and last name. This was done through a custom user form that extends Django’s built in user form. I also amended the Django admin views to incorporate these custom fields. This also required me to edit the Django admin file in the users app.

The customise product section was significantly harder. The aim was to allow a user to build their own server from a list of components in our database. The first issue I faced was the fact that not all CPU’s are compatible with all the motherboards. To get around this, the user is asked to select a CPU they wish to use before proceeding with the rest of the customisation process. They are then redirected to the page and asked to fill in the remaining components such as RAM, HDDs, SSDs and GPUs. All the components are fed into the list from the database which allows them to be updated as needs be. Once saved, the current configuration of the server is saved to an unrented server table in the database. This distinguishes it from our pre-built servers and also allows the configuration to be added to our cart to be checked out. I encountered a small problem when it came to the motherboards as they were mixing in with the CPU’s and weren’t filtering properly. Wesley however, had a quick fix for this and thus implemented that himself. This section in general would have been significantly more difficult if not for Wesley’s help.

Altogether, I found this iteration interesting as aside from the signup/login system, I was challenged with the customise products, but I feel I learned a great deal from that and should have a much easier time in the future. (Gracjan)