During our implementation, we definitely have encountered a few noteworthy issues, and we think we successfully resolved them.

First of all, we noticed that some schema should be changed for some tables. For example, we needed a way to interchange between reservation, delivery, and renting. We added new user types to give different interfaces to resolve this problem. It was a rather simple example of changing our schema however it implies that we’ll need to change the queries and source codes accordingly and that was a tedious job to do. This taught us a good lesson on the importance of accurately analysis the requirements.

We also encountered a problem when we need to monitor logon activities, we’ll need to know which user is doing the actions and we didn’t have a particular table/place to store the ids that are logged in, so we created a text file as a temporary storage.

Another problem that we encountered is on the css styling file. We are using different headers for ordinary users and admin pages; however the syntax and functions didn’t seem to agree with this design. We experimented a lot with different formats and actually resolved this problem by changing the name that was actually in conflict with html keyword – navbar. It was simple, to be honest, but it took us a long time to figure out.

Sample inputs were also a big barrier in our implementation. It is extremely hard to find sample data for books that perfectly matches our schema, we had to enter everything by hand, and it was a tedious job to do.

Also in general, we were all new to php and css and everything, we all had busy schedules, but we managed to come up with this implementation. We would say that completing it alone is a success, even though we didn’t make it perfect and look as good as it possibly can be. This project taught us collaboration, the theme of lifelong learning