

Analysis of Ethical Considerations based on the ACS CoE

There are several ethical considerations that need to be considered while completing this project. The ACS CoE outlines six primary ethical considerations. These are 'The Primacy of the Public Interest', The Enhancement of Quality of Life', 'Honesty', 'Competence', 'Professional Development', and 'Professionalism'. Within this document, we are reviewing these considerations and providing an analysis of how our project is impacted.

The Primacy of the Public Interest

We have taken into consideration the industry and stakeholders that may be impacted by our project. Since our project is on a car share scheme website service, we understand that the transport industry will be affected, and the stakeholders involved are our client and their customers. Our client will be the most affected by our project since we are creating a product that will be used as a business service. This means that we need to take extra consideration and effort into the development of the project since our client would be impacted financially. The only potential conflicts between our professional activity and legal requirements would involve privacy concerns. Since we are gathering data from customers as well as holding information about the business of our client, we need to ensure that we avoid privacy conflicts and legal conflicts. There have been many steps taken to ensure that the integrity of our project and the data that it holds is secure, such as making use of hashing techniques. This also helps to preserve the confidentiality of privacy of information of others.

The Enhancement of Quality of Life

We have been able to recognize how our project is able to enhance the quality of life as a service to customers. This is through the ease of use and focus on the customer's needs for when they are using the service. Even for those with disabilities, we have done our best to ensure that no customer is at a disadvantage when using the service. Throughout the semester, we have worked closely with our client, ensuring to ask for feedback and suggestions on the project so that they are happy with the final product. We understood how important it was to involve the client with the project while working on it throughout the semester.

Honesty

Whenever we were to demo the project to the client, we ensure to not tell lies and to be clear on where issues were and what needed improvements. This meant that we would not mislead the client on what the project is, and they fully understand what stage the project is at the time. Meetings were run professionally and with opinions and advice given appropriately. Organizing the workload between members was to ensure that each member had an equal number of tasks. We had also ensured to discuss what had been complete by who and to give credit when it was due. Throughout the project, all team members have shown honesty in their work and have been clear on exactly what had been worked on and completed.

Competence

A clear representation of when the team had shown competence in the project was at the beginning of the semester. This was when one of our group members had left the group but had suggested a variety of different technologies and languages to use for the project. We had been able to recognize that our skills and knowledge were not enough to follow with the previously suggested technologies and languages, so we evaluated the situation and ensured to change to something that we had been familiar with and competent with. We ensured that when developing the project, it was filling the client's needs ensuring that we are matching their financial and operational needs. For any mistakes or errors, the team had taken responsibility for them and endeavored to find a solution.

Professional Development

Even with changing to using technologies and languages we were familiar with; we had still implemented many new technologies to upgrade our skills and knowledge. Throughout the sprints, team members had been encouraged and supported whenever they needed help with tasks. There have been multiple times when team members had been able to suggest new technologies to make use of in order to help individual development.

Professionalism

The team had been able to be organized and approached the project in a professional manner. There were no points of conflicts between team members that needed to be resolved. Meetings were run smoothly and most of the time team members were punctual. There were no attempts to breach the code of conduct. Team members cooperated throughout the project to ensure that tasks were completed on time and to a high standard. Constant communication and meetings were performed.