# Lessons learned

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We have learned the following lessons during the course of this project:

- We have learned about the requirements gathering process. It was surprising to learn that even the client themselves do not always know exactly what they want. We learned that it was important to write down all the requirements and have the client confirm them. We discovered that this is often the best way to get definitive requirements, especially when the client is not sure about what exactly he/she wants.
- Clients should always be updated on the status of the project so they can tell us if the project is going in the right direction and/or if any other features have become viable.
- We realized that some tasks that seemed easy during the planning stage turned out to be more complex in implementation. It was important to maintain a list of tasks for the entire group and if need be assign certain tasks to members. This helped us stay on track as well as let everyone know the status of the project and made all parts of the project transparent. This was important because it helped the group see where people were struggling if they were and helped us reach out to those members. This way no one person was stuck on a task for too long. We also learned that it was important to reach out for help when we needed it; it made no sense to spend a few days on an issue when a TA, professor or mentor could help us resolve it in a few hours.
- We learned that not all programs can be tested automatically which was quite surprising because in manual testing the client has to trust that the developer has done a good job testing themselves.