

Criterion E - Evaluation

Meeting the Success Criteria:

Goal	Result
A commenting and like bot that automates tasks done by VA	I successfully managed to code a bot that can like and comment per the users request. The bot has served the same function as the VA my client used to employ ¹ . Additionally, my client has managed to save hundreds of dollars a month using the early version of his program, and is very happy ² with the end result.
Functioning scraper that can extract profiles from instagram	The scraper has been functioning perfectly, allowing my client to scrape hundreds of users per day. I and my client have tested this feature for several weeks now, and this has proved successful ³ .
An easy and manageable way to use the program with cookies	Rather than having my client follow instructions to retrieve a web session id cookie, I've added a feature which simply prompts the user to log into their Instagram account, and the session id cookie is automatically retrieved. My client is quite happy with this as it abstracts away the complexity involved when doing it himself ⁴ .
Rare occurrence of action blocks on instagram	My client has mentioned that the automation has been "really effective and efficient without any action blocks" ⁵ . My client has been using the program for several weeks now and confirmed that the program meets his requirements in terms of action blocks.
Running either a scraper or commenter, and the user is able to stop it	This feature has been successfully added, allowing any process to be stopped per the users request. My client has mentioned ⁶ in

¹ Adev Aarons, interview by author, Bangkok, April 8, 2021, transcript section 1, Appendix IA

² Adev Aarons, interview by author, Bangkok, April 8, 2021, transcript section 4, Appendix IA

³ Adev Aarons, interview by author, Bangkok, April 8, 2021, transcript section 4, Appendix IA

⁴ Adev Aarons, interview by author, Bangkok, April 8, 2021, transcript section 4, Appendix IA

⁵ Adev Aarons, interview by author, Bangkok, April 8, 2021, transcript section 4, Appendix IA

⁶ Adev Aarons, interview by author, Bangkok, April 8, 2021, transcript section 4, Appendix IA

	the past that this is not highly necessary, but if it could be added it would be a good addition. At the end, this was successfully accomplished and added.
Fetching and saving data to and from an SQLite database	This has been accomplished early on in the development stages of the program. I have managed to accomplish this by writing a class which takes care of communicating queries to the SQLite database.
Displaying data from SQLite database to JTables	As mentioned before, this has been done in the early development stages of the program. This has been successfully accomplished. This is something the client had asked for in the past, and is happy that he is able to view the data on tables in the program ⁷ .
Error handling	Error handling was implemented throughout all of the code. In addition, I have added a throw and catch clause to prompt the user to relaunch the program in case anything malfunctions. Error handling also includes preventing the user from entering the wrong inputs and leaving blank fields. In the end, this was successfully accomplished which will allow my client to safely use the program without accidentally causing anything to malfunction.

⁷ Adev Aarons, interview by author, Bangkok, April 8, 2021, transcript section 2, Appendix IA

Client Feedback

Recommendations for Improvement	Benefits	Why/ how Realistic
The client has requested ⁸ an option to have the program run “automated DMs (direct messages)” ⁹ .	This will be beneficial to their incoming traffic as direct messages on Instagram is a highly effective way to contact users. My client mentioned that this would be a great addition to the program in the possible future.	This is very realistic to achieve since automating direct messages is very similar to comments. I have already begun to work on automating direct messages for my client, and will provide this feature in the future apart from the CS IA.
My client has suggested ¹⁰ adding a feature that can “scrape public data from instagram profiles”, which could then be used for evaluating profiles or other needs of the client.	This could allow my client to filter the profiles that the program scrapes, and will possibly allow him to hit his target user better.	This can be quite difficult as Instagram does not display much information other than the amount of followers, posts and the people followed the user. However, this is duable as I could provide information such as the country of the user and age using web crawling or an API (Application Programming Interface) which fetches more data of any given profile.

⁸ Adev Aarons, interview by author, Bangkok, April 8, 2021, transcript section 4, Appendix IA

⁹ Adev Aarons, interview by author, Bangkok, April 8, 2021, transcript section 4, Appendix IA

¹⁰ Adev Aarons, interview by author, Bangkok, April 8, 2021, transcript section 4, Appendix IA