**List of New Projects**

|  |  |
| --- | --- |
| **S.No** | **Project Name** |
| **1** | **Face Recognition** |
| **2** | **Image resizing using OpenCV** |
| **3** | **[Star Wars Survey](https://www.dataquest.io/course/data-exploration/)** (In this project, you’ll work with Jupyter Notebook to analyze data on the Star Wars movies). |
| **4** | **[Password generator](https://www.101computing.net/random-password-generator/)** (Build a secure password generator in Python). |
| **5** | ****Build an interactive quiz** (**Which Avenger are you? Build a personality or recommendation quiz that asks users some questions, stores their answers, and then performs some kind of calculation to give the user a personalized result based on their answers) |
| **6** | ****Create a simple web browser (****Build a simple UI that accepts  URLs  and loads webpages. PyWt will be helpful here! Can you add a “back” button, bookmarks, and other cool features?) |
| **7** | ****Build a chatbot (****The challenge here isn’t so much making the chatbot as it is making it good. Can you, for example, implement some natural language processing techniques to make it sound more natural and spontaneous?) |
| **8** | ****Create an interactive map (****This will require a mix of data skills and UI creation skills. Your map can display whatever you’d like — bird migrations, traffic data, crime reports — but it should be interactive in some way. How far can you take it?) |
| **9** | ****Make your Tic-Tac-Toe game clickable (****Building off the beginner project, now make a version of Tic-Tac-Toe that has an actual UI  you’ll use by clicking on open squares. Challenge: can you write a simple “AI” opponent for a human player to play against?) |