

App Inventor Final Project

For the final AI project, you will create a custom app. It is an individual project.

Your app should be web-enabled either by having some user-generated, persistent data that is shared on the web (using TinyWebDB) or by using fake data through [Mockaroo](#) or using real database store such as [Firebase](#). The application must satisfy the following programming specs:

- Multiple screens (at least 3)
- Custom defined Procedures (at least 3)
- Control flow structures (conditions and/or loops) (at least 3)
- Variables (at least 3)
- Lists (at least 1)
- Data persistence
- Use of sensors (at least 1)

It should also satisfy one or more of the following requirements:

- App is web-enabled using an existing API or Mockaroo
- App saves user-generated data using TinyWebDB or Firebase
- Add user signup/login using [Firebase](#) (should be integral to the app functionality)

Deliverables (Monday Oct 16th @8:30am)

1. Upload your **aia** file to Avenue.
2. Provide a link to the video presentation.

Video Presentation (maximum 10 minutes)

- Project scope
- Approach (AI implementation)
- App demo
- Conclusion

Rubric

Criteria	Notes	Weight
App design	Visual appeal, interactive interface, ease of use	5%
App flow	Transition between different functionalities	5%
App performance	Does it work as it is supposed to?	15%
Programming specs	Include all required programming specs	30%
Web-enabled	App retrieves data from a web service (5%) or Mockaroo (10%)	5%- 10%
Web shared, user-generated persistent data	Using TinyWebDb (5%) or Firebase (15%)	5%- 15%
User authentication	App allows user singup/login using firebase	10%
Presentation		20%