Programming Assignment 3

Deadline: Friday May 24th

Delivery method : Submit to Elearn a tarball with your code and your report.

1 Hands on experience with a new technology

Your assignment is to implement a small application pertaining to one of the trends in this course using a publicly-available technology of your choice. Although not covered yet in the class, feel free to fast forward and include a Deep Learning Framework in the list of technologies you can choose from. As we are going to present a TensorFlow demo in the class, I highly recommend (but not require) students that plan to work with a Deep Learning framework, to use the emerging platform Jax.

The goal of this exercise is to to deliver hands-on exposure to a new, emerging software platform. My expectation is that you spend at least three or four hours on this assignment.

Please do not choose an API or software runtime with which you are already familiar! The goal is to give you experience with a new API or programming environment.

1.1 Questions

In your report please answer the following questions:

1. What did you build?

2. What technology did you choose?

3. How can we install the framework of your choice to run your code?

4. What was hard about building your application?

5. What did you think was intuitive about the API/SDK that you used?

6. Why do you think the developers made the API/SDK the way they did?

7. What changes would you make to the API/SDK to improve it?

8. What did you learn in the process of building your application?

9. What was most surprising?