

## IN-CLASS WORK: WORK ON YOUR MAIN PROJECT

Today you will spend class-time to work and get help on your main project. Start with scanning the listed deadlines below. Use the individual tasks as listed below to guide your use of the 80 min in class.

### Ryan:

- First scan quickly this list, in case you want to work on them in different order.
- Make keyword list of questions you have for me.
- Make "flow chart" or keyword list of order of equations (partly also loops, e.g. for Eq.(9) loop over iterations).
- Think if maybe some of the tasks on "flow chart" can be done first, i.e. how to chop up task of implementing whole simulation and how you might check smaller tasks.
- Implement plan.
- Think about quantities you will want to "measure", which results could you get straight forward, which results would be interesting to get? I love this task, please ask if you like to brain storm together.

### Clay:

- First scan quickly this list, in case you want to work on them in different order.
- Make keyword list of questions you have for me.
- Finish by adding last loop.
- Think about which "quantities" you want to measure, i.e. which strategies do you want to check and how do you measure success? Start with brain storming ideas, then make list of prioritizing with which tasks you want to start with. (Any of these tasks, I truly enjoy helping, make sure we talk some about this in class.)
- Start on implementing first strategy test.

### Nick:

- First scan quickly this list, in case you want to work on them in different order.
- Make keyword list of questions you have for me.
- Your program seemed to me “finished”, if not then add what is left.
- Think about what the goal of your simulations will be? What do you want to measure? Which results would you like, e.g. delta(iterations) (?), number of iterations ( number of layers) (?) and many more. Which parameters do you plan to vary? Do you plan to vary the input variables? Start with brain storming ideas (I truly enjoy this task, so please ask if you like to brain storm together.) and then make a list to prioritize your ideas.
- Start with the implementation to get your “results”.

### David:

- First scan quickly this list, in case you want to work on them in different order.
- Make keyword list of questions you have for me.
- Make keyword list of what is left in our program, what you would like your program to do (I know that you changed your plans. To get one task finished, write down what you would like to do.) Start with brainstorming, then prioritize. Which task(s) would be most straightforward.
- Implement/finish most straightforward/highest priority task.
- Brainstorm which results you would like to get, e.g.  $C(t)$ , comparison of predicted  $C$  with actual  $C$  as function of number of time steps predicting forward in time. Please ask me, if you like to brainstorm together. Then prioritize your list of ideas.
- Implement highest priority/ most straightforward idea to get results.

### Upcoming Deadlines:

- **April 12:** Results 1<sup>st</sup> Version: As preparation for your second paper summarize the results you will use, i.e. make an outline with a list of:
  - table(s), figures (not yet fancy, i.e. not yet xmgrace, but in content results for your results section in paper)
  - interpretation next to table(s), figure(s) (hand-written is fine)
- April 14: Results Final Version
- April 21: Abstract
- April 26: Second Paper 1<sup>st</sup> Version
- May 3: Second Paper Final Version
- April 22: Second Paper (first version)
- April 27 – May 4: Symposium Talks