

# CPRE 492 WEEKLY REPORT 22

*Project Molecule*

22– 28 March 2017

May1739

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## 2 WEEKLY SUMMARY

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This week saw the integration of the Networking an atomic layer and the start of the writing the final report. We have set up a plan from now to the final presentation of the steps needed.

## 3 PAST WEEK ACCOMPLISHMENTS

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All Members:

- Weekly Group and Advisor meeting
- Discussed new state and final considerations

Ryan Wade:

- Finished Atomic Layer and Messaging infrastructure.
- Refactored a lot of code.

Nathan Volkert:

- Worked on design doc and project plan.
- Final report and poster discussion and start point

Daniel Griffen:

- Bug fix networking layer

Alex Berns:

- Work on design doc and project plan
- Start discussion for final report

## 4 INDIVIDUAL CONTRIBUTIONS

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NAME	Weekly Sum	Semester Total	Cumulative
Ryan Wade	35	162	282
Nathan Volkert	13	128	230
Daniel Griffen	5	19	253
Alex Berns	12	133	232

## 5 COMMENTS AND EXTENDED DISCUSSION

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### 5.1 TIMELINE :

#### 5.1.1 Next week:

Add Node Protocol

Permission layer integration

Add/Remove Particle

First Draft of Project presentation and report

#### 5.1.2 In 2 weeks:

Implementing routing

Broadcast implementation/aggregation

Final draft of report

#### 5.1.3 In 3 weeks

Finalize presentation

Finalize Demo

## 6 PLAN FOR COMING WEEK

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Alex + Nat:

- Finish Design Doc and Project Plan.
- Power Point of DD and PP info condensed (first draft of final presentation)
- Final Report first draft
- Discuss Poster parts, first draft in 2 weeks

Nat: Add permission layer code into common, integrate with state.

Dan: Setup modes, adding nodes, add logging

Ryan: Continue to work on Atomic layer, getting particle layer integration

## 7 SUMMARY OF WEEKLY ADVISOR MEETING

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Demo for Atomic Layer, logger output traces message movement.

Want two atoms in system, dummy particle to receive things, particle to send. Particle to also show routing works.

Use flow chart if UI is not quite useable

Discussed timeline of coming events, see above.

Discussed and chose in person demo over video demo.