

AI TUTOR | Completion Timeline

Spencer Thompson | Capstone Project

PLAN

DESIGN

CODE

REFACTOR

DOCS

Week 1

SEP 1 - SEP 7

- Plan new features, bug fixes and sprints.
- Outline team member responsibilities.

Week 2

SEP 8 - SEP 14

- Design new features and major refactoring.
- Design how modules and separate code will communicate.
- Design APIs

Week 3

SEP 15 - SEP 21

- Rapidly add new features.
- Accumulate technical debt.
- Deploy

Week 4

SEP 22 - SEP 28

- Finish prototype for features.
- Identify problem areas and technical debt.
- Deploy

Week 5

SEP 29 - OCT 5

- Add tests, polish features and fix bugs.
- Deploy

Week 6

OCT 6 - OCT 12

- Pay back technical debt.
- Remove as much code as possible until the tutor breaks then fix it.

Week 7

OCT 13 - OCT 19

- Write documentation, primarily code documentation of existing and new code.
- Code comments and READMEs

Week 8

OCT 20 - OCT 26

- Plan any changes to features, and overdue fixes.
- Plan how to pay back more tricky aspects of technical debt.

Week 9

OCT 27 - NOV 2

- Start or change new features.
- Accumulate technical debt.
- Deploy

Week 10

NOV 3 - NOV 9

- Finish out all features in project scope.
- Identify technical debt.
- Deploy

Week 11

NOV 10 - NOV 16

- Major code removal and addition of code comments.
- Once again delete as much code as possible until the tutor breaks and fix again.

Week 12

NOV 17 - NOV 23

- Polish out features.
- Fix bugs.
- Tweak and enhance tutor behavior.
- Finish features.

Week 13

NOV 24 - NOV 30

- Major code cleanup.
- Make sure every file is documented with comments and doc-strings.
- Aim for maintainability.

Week 14

DEC 1 - DEC 7

- Technical Report.
- Project Report.
- Analytics Report.
- Project Finished.