

JUST ZED

Dementia Aid App

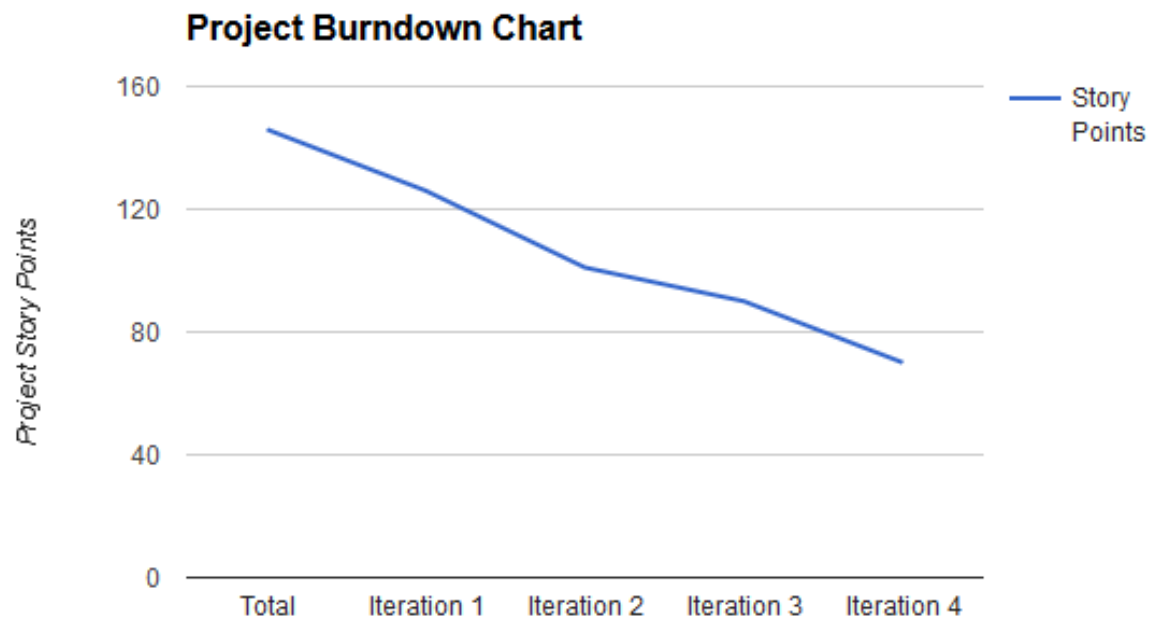
Documentation

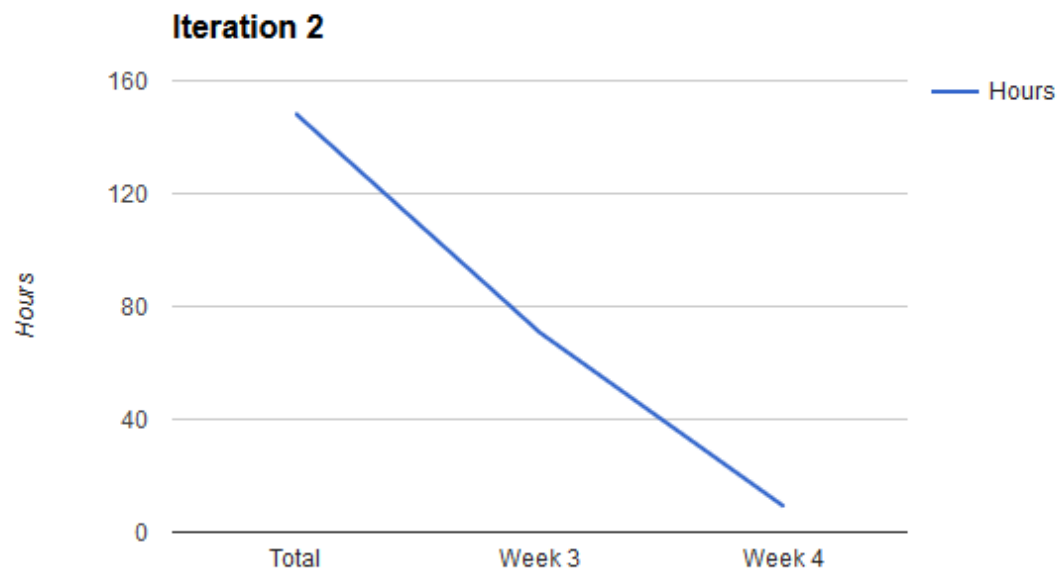
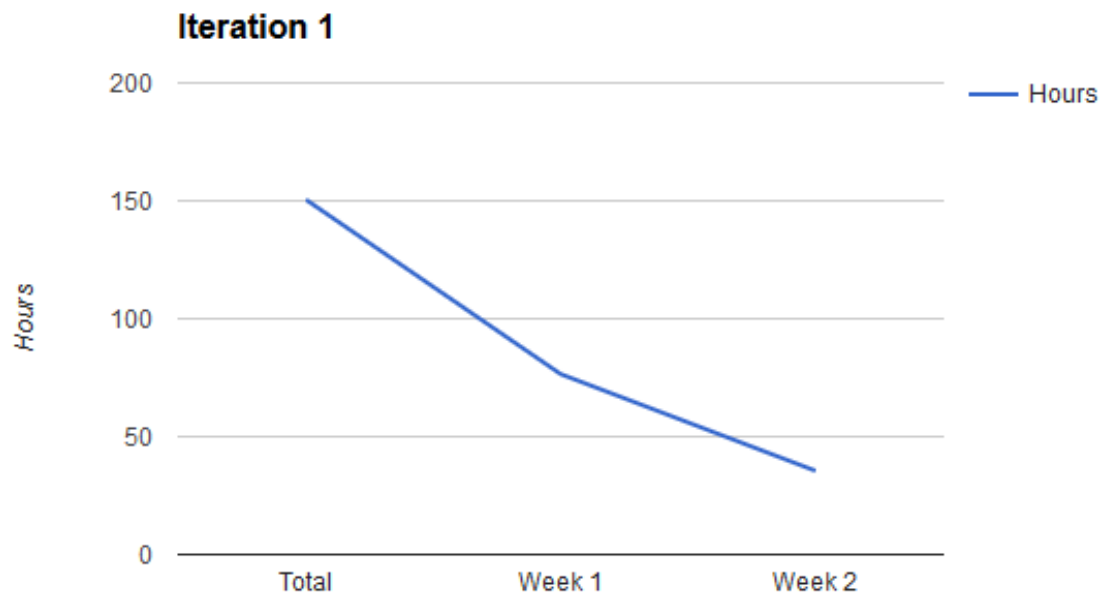
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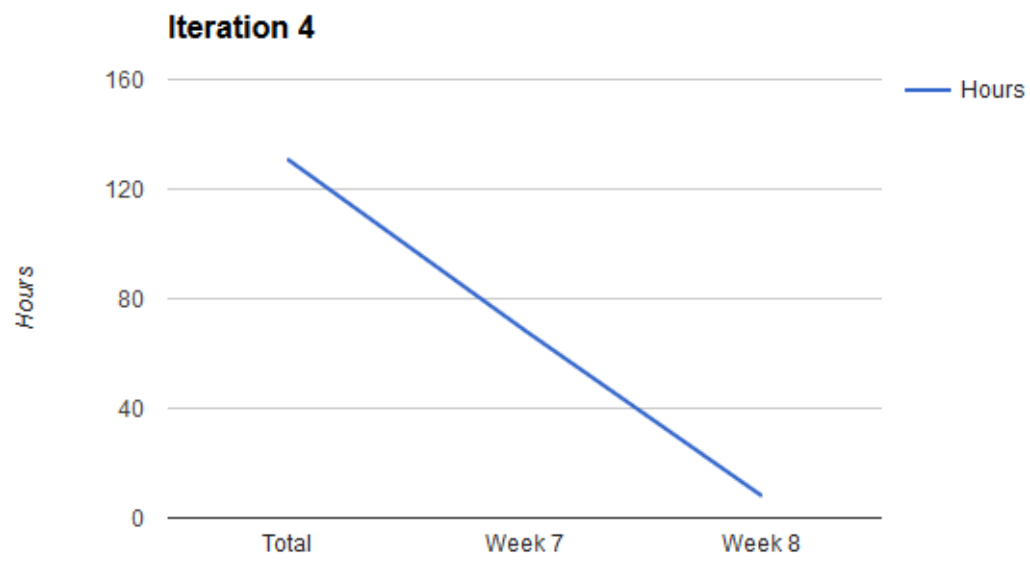
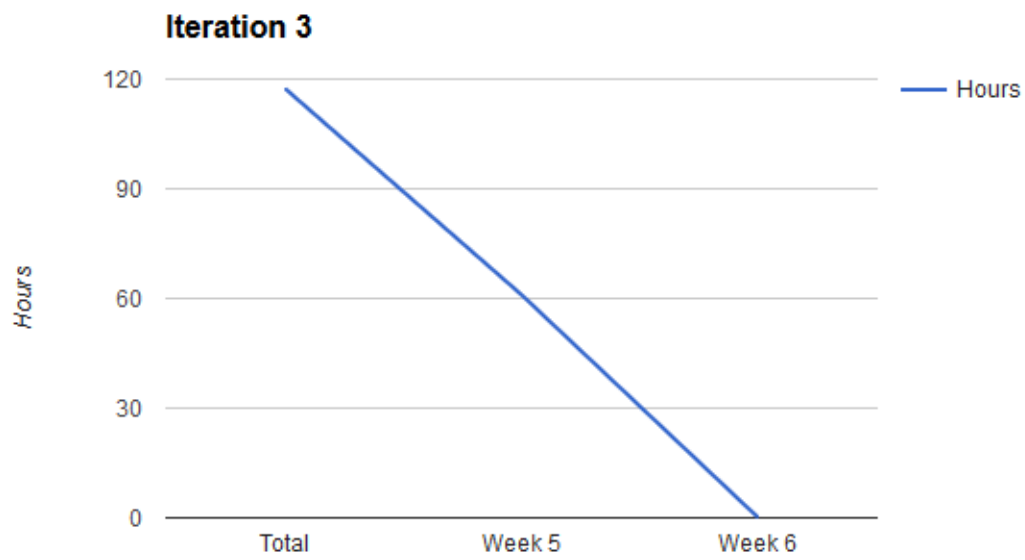
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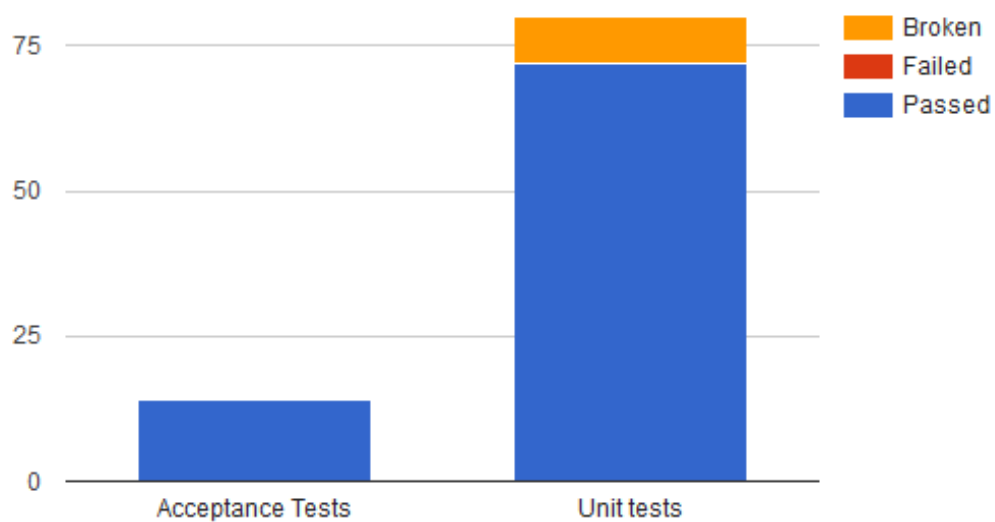
Graphs and Charts



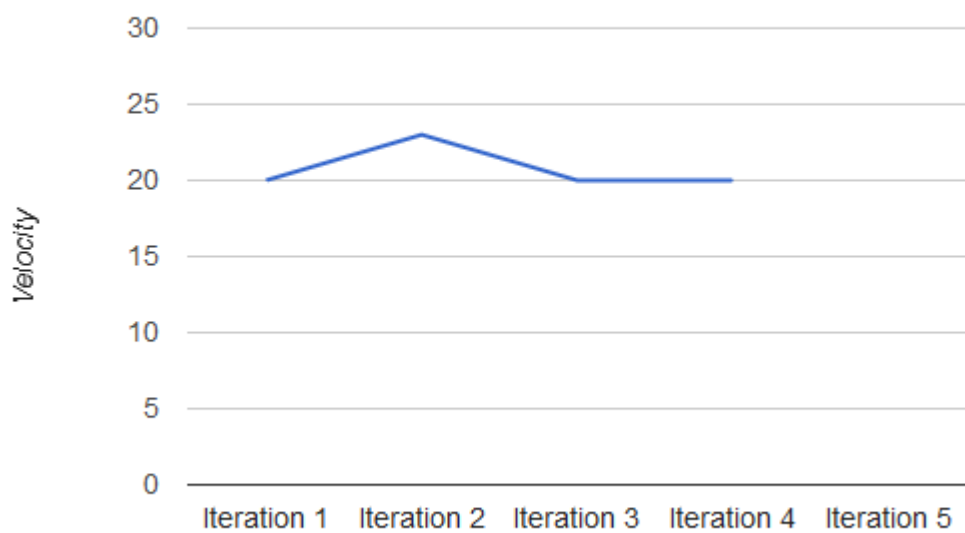




Acceptance Tests and Unit tests



Velocity



Customer Engagement

Week 8 (Richard)

- Showed a demo of the first release.
- We negotiated about taking a week to improve our pipelines.

Week 9

- No customer engagement (customer sick)

Week 10 (Erica)

- Showed the customer how the toggle that turns off the geofence checks.
- Showed the customer the advanced notification system.
- Talked about the timer based fences system.
- Talked about the advanced geofences system. Decided to use a tunnel based system for this part.
- Talked about the messaging system.
- Agreed to a partial completion of the messaging system by the end of the 2nd release. (based on how many story points we could complete during iteration 4.
- Agreed that the toggle button that disables the fence checks should not disable the panic button as well.

Week 11

- No customer engagement (customer sick)

Week 12 (Erica)

- Showed the client the messaging systems for both applications.
- Client asked us to improve the naming system of the application to allow people to use other people's phones and still be recognisable.

Process

Schedule

Tuesday (After tutorial) - Organizing the tasks for the week
Thursday - Stand up meeting 1
Sunday - Stand up meeting 2 / Peer Coding (when issues arise) & Code reviews before integration
Tuesday (Before tutorial) - Stand up meeting 3

Management Tools

During the first release, JIRA was used as our main management tool. Due to some issues, we decided to change the way we did things for the second release:

- The Iteration plan was used to keep track of tasks and stories.
- A N.E.A.T document was used each week to keep track of how much work each person has done.
- The user acceptance criteria is kept in an excel document and filled when a story is completed.

Reflection

Worked well?

- There is communication among all the team members.
- At least three stands up meeting held in each week using both physical and online Skype meeting. (Tuesday, Thursday and Sunday)
- Using each member's expertise to solve issues.
- Understand each other's strength and weakness (skill level).
- Using facebook to solve confusions.
- Had no team conflict issue in the team during the whole process of the project.
- Add extra time on each Task that involves a new piece of technology, so that people can do some research.
- Using spikes to try unfamiliar technology, before implementing it into the project.
- Based on the each team member skill the task has been divided, which gave better result.
- Pair programming has been used when issues arose in a task (on Sundays).
- Code Reviews have been performed before code is merged into the develop build.
- Improved estimated task, which really get effective in the whole project.
- Using a N.E.A.T document every week, to update and track each other time and progress. Which helped to update the entire document like Velocity graph, Release/Iteration Burndown chart, Test graph, etc.

What didn't work well?

- Although we have been trying to do some Test Driven Development, testing activities for android has proven to be very difficult for us.
- The difference in expertise did cause some issues.
- Miss-estimation of task was less but still a minor issue.
- Early on, had issues with the system we were using to track our progress.
- Code standards have not always been kept.
- Customer engagement was a bit lacking.

Changes to be made

- Use of pair programming throughout the week instead of only once a week.
- Refactoring some of the earlier activities to allow for a new method of testing activities
- Make code standards more explicit.
- Should have emailed the customer our progress.