

# Liquid Rescaling

6-Dec-2017

## Group 35

[https://gitlab.cas.mcmaster.ca/shahhk2/3XA3\\_Team\\_35](https://gitlab.cas.mcmaster.ca/shahhk2/3XA3_Team_35)

Project manager

Marlee Roth

Project dates

29-Sep-2017 - 6-Dec-2017

Completion

100%

Tasks

15

Resources

3

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The purpose of a seam carving algorithm is to intelligently scale an image in order to prevent the deformation of important features. The algorithm finds seams within the image and removes the ones that will affect the image the least, preserving a clear image containing significant features. A seam is vertical or horizontal sequence of pixels of least significance, each of which only have one pixel per row or column (depending on the orientation of the seam).

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## Tasks

Name	Begin date	End date
Requirements Documents Revision 0 5%	06/10/17	06/10/17
Proof of Concept Demo 6%*	18/10/17	18/10/17
Test Plan Revision 0 5%	27/10/17	27/10/17
Design and Documentation Revision 0 5%	10/11/17	10/11/17
Revision 0 Demo 6%*	15/11/17	15/11/17
Final Demo Revision 1 30%*	27/11/17	27/11/17
Peer Evals 2%*	27/11/17	27/11/17
Final Documentation Revision 1 30%	06/12/17	06/12/17
Phase 1 <i>Set up Application Foundation</i>	29/09/17	05/10/17
Phase 2 (Tests) <i>Test Application Foundation - The program can take an image and save an image, test with different file ending, save with existing name, upload non-png files, upload very large files, ect (Black Box Testing)</i>	06/10/17	17/10/17
Phase 3 <i>Learn to implement C++ Library.</i>	06/10/17	17/10/17
Phase 4 <i>Implement Libraries.</i>	18/10/17	31/10/17
Phase 5 (Tests) <i>Test C++ Libraries Implementation - Test function in the library give expected outputs. Make sure image is scaling correctly, ect. Run human assisted test cases. Focus on Black box for this phase.</i>	01/11/17	03/11/17
Phase 6 <i>Finalise Application in regard to original requirements.</i>	06/11/17	14/11/17

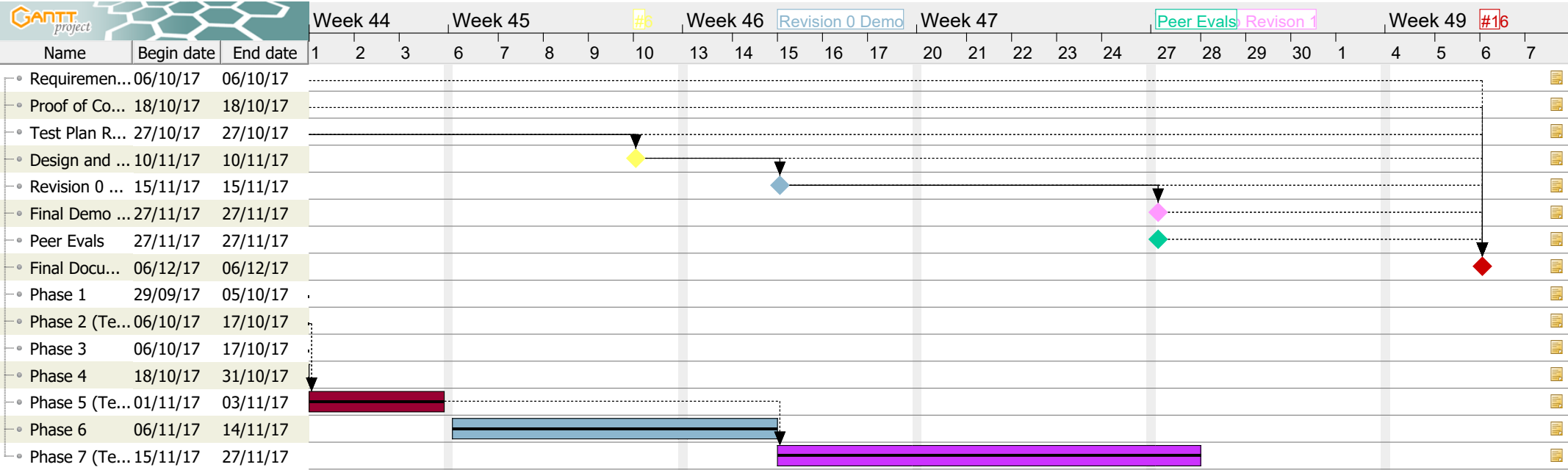
Tasks

Name	Begin date	End date
Phase 7 (Tests) <i>Test Project - Make sure entire application is functioning properly, all test specified in test paln have been run successfully. Run CPPunit Test Cases. Focus on white box for this phase.</i>	15/11/17	27/11/17

Resources

Name	Default role
Daniel Wolff	developer
Harsh Shah	doc writer
Marlee Roth	project manager

Gantt Chart



Resources Chart

