**Manual Test Plan**

**Comment**

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| Test | **Should not be able to post empty comment** |
| /Volumes/Mass Storage/lc/Desktop/Screen Shot 2017-04-04 at 8.33.05 AM.png | |
| Instruction | Try to post an empty comment without content |
| Pass | ✓ |

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| Test | **Should be able to post comment without username** |
| /Volumes/Mass Storage/lc/Desktop/Screen Shot 2017-04-04 at 8.35.06 AM.png | |
| Instruction | Try to post a non-empty comment without username |
| Pass | ✓ |

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| Test | **Should be able to post comment with username** |
| /Volumes/Mass Storage/lc/Desktop/Screen Shot 2017-04-04 at 8.37.15 AM.png | |
| Instruction | Try to post a non-empty comment with username |
| Pass | ✓ |

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| Test | **Should be able to post comment with picture** |
| /Volumes/Mass Storage/lc/Desktop/Screen Shot 2017-04-04 at 8.39.00 AM.png | |
| Instruction | Try to post a non-empty comment with picture |
| Pass | ✓ |

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| Test | **Should reject oversized picture** |
| /Volumes/Mass Storage/lc/Desktop/Screen Shot 2017-04-04 at 8.41.06 AM.png | |
| Instruction | Try to post a non-empty comment with oversized picture |
| Pass | ✓ |

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| Test | **Should reject other types of file** |
| /Volumes/Mass Storage/lc/Desktop/Screen Shot 2017-04-04 at 8.44.03 AM.png | |
| Instruction | Try to post a non-empty comment with other type of file |
| Pass | ✓ |

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| Test | **Should add comment to page asynchronously** |
| /Volumes/Mass Storage/lc/Desktop/Screen Shot 2017-04-04 at 8.50.24 AM.png | |
| Instruction | 1. Try to post a comment with content “Should add comment to page asynchronously” 2. Verify the page is updated |
| Pass | ✓ |

**Vote**

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| Test | **Should be able to upvote** |
| /Volumes/Mass Storage/lc/Desktop/Screen Shot 2017-04-04 at 8.55.42 AM.png | |
| Instruction | 1. Post a new comment with content “Vote 1” 2. Click upvote button for the comment 3. Verify the vote count on the page is updated |
| Pass | ✓ |

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| Test | **Should be able to downvote** |
| /Volumes/Mass Storage/lc/Desktop/Screen Shot 2017-04-04 at 8.57.31 AM.png | |
| Instruction | 1. Click downvote button for the comment from last step for 3 times 2. Verify the vote count on the page is updated to (-2) |
| Pass | ✓ |

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| Test | **Should limit vote per IP per comment to 20 times** |
| Screen%20Shot%202017-04-04%20at%209.00.51%20AM.png | |
| Instruction | 1. Post a new comment with content “Vote 2” 2. Click upvote button for the comment from last time for 21 times 3. Verify if an alert shows up |
| Pass | ✓ |

**Comment Sort**

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| Test | **Votes: Ascending** |
| Screen%20Shot%202017-04-04%20at%209.05.17%20AM.png | |
| Instruction | 1. Open <http://cs242-svn-portfolio.herokuapp.com/comment/#test2> 2. Change sort mode to “Votes: Ascending” 3. Verify the sort order is correct |
| Pass | ✓ |

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| Test | **Votes: Descending** |
| Screen%20Shot%202017-04-04%20at%209.07.18%20AM.png | |
| Instruction | 1. Open <http://cs242-svn-portfolio.herokuapp.com/comment/#test2> 2. Change sort mode to “Votes: Descending” 3. Verify the sort order is correct |
| Pass | ✓ |

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| Test | **Subcomments: Ascending** |
| Screen%20Shot%202017-04-04%20at%209.16.41%20AM.png | |
| Instruction | 1. Open <http://cs242-svn-portfolio.herokuapp.com/comment/#test3> 2. Change sort mode to “Subcomments: Ascending” 3. Verify the sort order is correct |
| Pass | ✓ |

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| Test | **Subcomments: Descending** |
| Screen%20Shot%202017-04-04%20at%209.17.45%20AM.png | |
| Instruction | 1. Open <http://cs242-svn-portfolio.herokuapp.com/comment/#test3> 2. Change sort mode to “Subcomments: Descending” 3. Verify the sort order is correct |
| Pass | ✓ |

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| Test | **Date: Earliest First** |
| Screen%20Shot%202017-04-04%20at%209.21.33%20AM.png | |
| Instruction | 1. Open <http://cs242-svn-portfolio.herokuapp.com/comment/#cs233/Lab1> 2. Change sort mode to “Date: Earliest First” 3. Verify the sort order is correct |
| Pass | ✓ |

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| Test | **Date: Latest First** |
| Screen%20Shot%202017-04-04%20at%209.22.01%20AM.png | |
| Instruction | 1. Open <http://cs242-svn-portfolio.herokuapp.com/comment/#cs233/Lab1> 2. Change sort mode to “Date: Latest First” 3. Verify the sort order is correct |
| Pass | ✓ |

**Refresh**

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| Test | **Refresh** |
| Screen%20Shot%202017-04-04%20at%209.25.47%20AM.png  Screen%20Shot%202017-04-04%20at%209.25.53%20AM.png | |
| Instruction | 1. Open <https://cs242-svn-portfolio.herokuapp.com/comment/#test5> on two different browsers 2. Post comment with one browser 3. Click the refresh button on the other browser 4. Verify the new comment is loaded 5. Verify the sort order is correct |
| Pass | ✓ |