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| Project Proposal |
| Imageboard |
| Kaitlynn Kruse, Thomas Moore, John Smith, Natalie Vaughan |

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# Non-Functional Requirements

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1. The System is to be a web application compatible with the following browsers:

1.1. Microsoft Internet Explorer

1.2. Google Chrome

1.3. Mozilla Firefox

2. Deployment Environment

2.1. Oracle Glassfish Community Edition

2.2. MySQL

3. The system will be thoroughly tested prior to delivery.

3.1. The system must be shown to have functional errors in no more than 25% of delivered requirements.

# Functional Requirements

## Glossary

“Janitor” – A user who has permissions to delete posts made by others

“Moderator” – A user who has permissions in order to delete or modify any post.

“Administrator” – A user who has permissions in order to delete or modify any other user’s post, account, or the website.

“Imageboard” – A type of Internet forum that operates mostly via posting images.

“Board” – A section of the imageboard that contains content related to one particular subject

“User” – A person browsing the website with no special permissions

“Post” – A submission by the user to the board

“Thread” – A series of posts

“Bump” – An action that brings the thread to the top of the front page

“Superuser” – A member of the janitor, moderator, or administrator group

# Website

1. Board Posting

1.1. A user can post to the board [1]

1.1.1. A user can post images [1]

1.1.2. A user can post text [1]

1.1.3. A user is returned to the post after a submission [2]

1.1.4. A post has the following information displayed:

1.1.1.1. Date/Time [1]

1.1.1.2. Post number [1]

1.1.1.3. Username [1]

1.1.1.4. E-mail [1]

1.1.1.5. Subject [1]

1.1.1.6. Comment [1]

1.1.1.7. File [1]

1.2. A user must post an image in their initial submission [1]

1.3. A user has a cool down period after posting [2]

1.4. A user can bump a thread [1]

1.4.1. A user bumps the thread by replying to it [1]

1.4.1.1. A thread can be bumped only a certain amount of times [2]

2. Board Moderation

2.1. Each board must have at least one superuser assigned [1]

2.1.1. A janitor can delete posts [1]

2.1.2. A moderator can delete posts [1]

2.1.3. A moderator can modify posts [1]

2.1.4. An administrator can modify the following:

2.1.4.1. Superuser’s password [1]

2.1.4.2. Superuser’s group [1]

2.1.4.3. Superuser’s assigned board(s) [1]

2.2. A user can report posts [1]

2.3. A user can only delete their own post [1]

2.4. A user can be suspended/banned by a superuser from posting for a longer amount of time [2]

2.5. A janitor, moderator, or administrator must login to perform any of these actions [1]

3. User Preferences / Features

3.1. A thread can be auto-updated for convenience [3]

3.2. A thread can show its statistics (post count / image count) [1]

3.3. A user can hide a thread [1]

3.4. A user can mark threads as watched [2]

3.4.1. Watched threads are shown in a list on the same page [2]

3.4.1.1. A user is notified when a watched thread is updated [3]

3.5. A user can filter threads and posts [1]

4. Website

4.1. Photoshop mock-up [1]

4.2. A user can return home from any page [1]

# Project Plan

## Phase 1 (12/2):

### Kaitlynn

* Website frame

1.1.3. A user is returned to the front page after a submission [2]

1.1.4. A post has the following information displayed:

1.1.1.1. Date/Time [1]

1.1.1.2. Post number [1]

1.1.1.3. Username [1]

1.1.1.4. E-mail [1]

1.1.1.5. Subject [1]

1.1.1.6. Comment [1]

1.1.1.7. File [1]

4.1. Photoshop mock-up [1]

4.2. A user can return home from any page [1]

### Thomas

* Website Frame

1.1.3. A user is returned to the front page after a submission [2]

1.1.4. A post has the following information displayed:

1.1.1.1. Date/Time [1]

1.1.1.2. Post number [1]

1.1.1.3. Username [1]

1.1.1.4. E-mail [1]

1.1.1.5. Subject [1]

1.1.1.6. Comment [1]

1.1.1.7. File [1]

### John

* Backend frame

1.1. A user can post to the board [1]

1.1.1. A user can post images [1]

1.1.2. A user can post text [1]

1.2. A user must post an image in their initial submission [1]

1.3. A user has a cool down period after posting [2]

1.4. A user can bump a thread [1]

1.4.1. A user bumps the thread by replying to it [1]

1.4.1.1. A thread can be bumped only a certain amount of times [2]

### Natalie

* Backend frame

1.1. A user can post to the board [1]

1.1.1. A user can post images [1]

1.1.2. A user can post text [1]

1.2. A user must post an image in their initial submission [1]

1.3. A user has a cool down period after posting [2]

1.4. A user can bump a thread [1]

1.4.1. A user bumps the thread by replying to it [1]

1.4.1.1. A thread can be bumped only a certain amount of times [2]

## Phase 2 (12/9):

### Kaitlynn

* Super user interaction

2.2. A user can report posts [1]

2.3. A user can only delete their own post [1]

2.4. A user can be suspended/banned by a superuser from posting for a longer amount of time [2]

2.5. A janitor, moderator, or administrator must login to perform any of these actions [1]

### Thomas

* Security

2.1. Each board must have at least one superuser assigned [1]

2.1.1. A janitor can delete posts [1]

2.1.2. A moderator can delete posts [1]

2.1.3. A moderator can modify posts [1]

2.1.4. An administrator can modify the following:

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### Natalie

* Super user interaction

2.2. A user can report posts [1]

2.3. A user can only delete their own post [1]

2.4. A user can be suspended/banned by a superuser from posting for a longer amount of time [2]

2.5. A janitor, moderator, or administrator must login to perform any of these actions [1]

## Phase 3 (12/16):

### Kaitlynn

* Convenience / options

3.1. A thread can be auto-updated for convenience [3]

3.2. A thread can show its statistics (post count / image count) [1]

3.3. A user can hide a thread [1]

### Thomas

* Convenience / options

3.4. A user can mark threads as watched [2]

3.4.1. Watched threads are shown in a list on the same page [2]

3.4.1.1. A user is notified when a watched thread is updated [3]

3.5. A user can filter threads and posts [1]

### John

* Convenience / options

3.4. A user can mark threads as watched [2]

3.4.1. Watched threads are shown in a list on the same page [2]

3.4.1.1. A user is notified when a watched thread is updated [3]

3.5. A user can filter threads and posts [1]

### Natalie

* Convenience / options

3.1. A thread can be auto-updated for convenience [3]

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