

22 Mar 18

MEMORANDUM

From: MIDN 1/C Mayer  
To: LCDR Kenney, USN

Subj: IT452 Project Proposal

1. Project Specification.

a. I intend to take my existing eChits repository and recraft it to fit the IT452 framework. Additionally, I will add functionality to eChits and build new modules within the framework.

2. Project Breakdown.

a. Milestone 1: Begin Conversion to Framework.

(i) Copy over the framework, and move all files from eChits into the framework.

(ii) I will add framework specific requirements to the files, and fix links to reference the files in the new framework.

(iii) I will create the database to allow authentication and persistent sessions.

b. Milestone 2: Complete Conversion to Framework.

(i) Finish converting eChits to use the framework.

(ii) Import test data from the production environment and verify that all previous features exist.

(iii) I will build the navbar and other framework specific features.

c. Milestone 3: Add Features.

(i) Allow chits to the Deputy Commandant and Commandant

(ii) Draft Chits

(iii) Persistent sessions

d. Milestone 4: Add Advanced Features.

(i) Optional Email notifications

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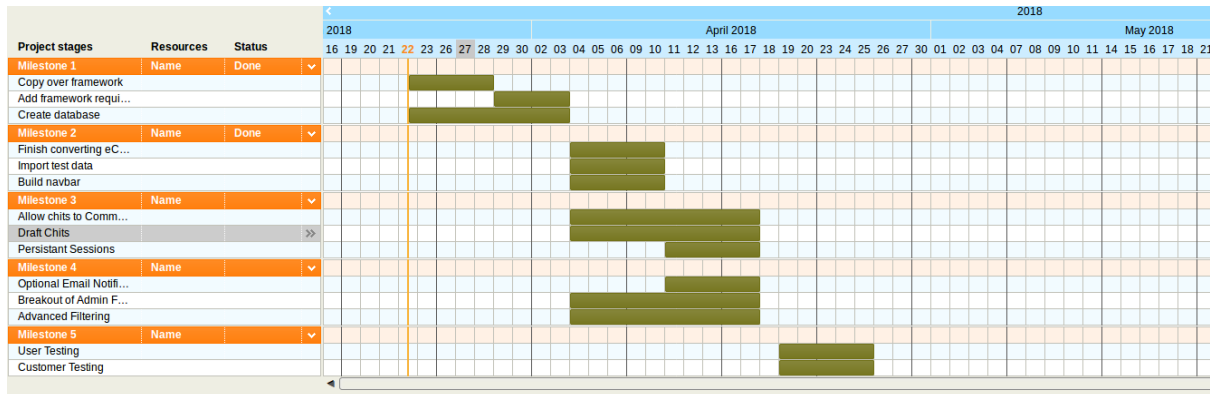
(ii) Breakout of Admin Features

(iii)Advanced Filtering for Chits

e. Milestone 5: Testing.

### 3. Gantt Chart.

Figure 1: Gantt Chart



### 4. Testing Plan.

a. I will provide a list of added features to current users of eChits. These users will use eChits on my development environment and verify that all old features are still present and new features work as expected. MIDN 1/C Ian Davis, my customer, will verify that code is satisfactory and provide feedback.

b. Milestone 1: Verify that files are located where they are supposed to be and in the format used by the framework.

c. Milestone 2: Verify that framework works and all previous features are still available. Verify that navbar functions as expected, and data is available for future testing.

d. Milestone 3: Verify added features work properly.

e. Milestone 4: Verify added features work properly.

### 5. Documentation.

a. All documentation will be stored in the /doc directory. Specific documentation will be provided on how the framework works, how to add new modules to eChits, the structure of the mysql database, all credentials for the database, and a turnover document for the next eChits administrator.

### 6. Revsion Control Plan.

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a. eChits will be located in a private github repository. I will create a development environment seperate from the current production environment. Once ready for testing, I will create a testing environment for testers to test. Once testing is complete, I will create a production environment and have the v1 and v2 versions running simultaneously. If there are no issues, I will connect them to the same database. If there are still no issues, I will take down the v1 version of eChits.

7. Customer.

a. My customer will be MIDN 1/C Ian Davis.

S. T. MAYER  
MIDN USN