

# Integration Test Plan for Mashbot

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February 22, 2010

## Revision History

Name	Date	Reason for Changes	Version
George D'Andrea, Andrew Gall, Josiah Kiehl, Cody Ray, Vito Salerno	9 February 2010	Initial Version	1.0

# Contents

# 1 Introduction

## 1.1 Background

This document provides the high level testing requirements for the Mashbot Campaign Manager and Publishing and Aggregation Platforms. These tests will be implemented as behavioral tests that will be automatically run every time a feature is added to prevent regression.

## 1.2 References

- Design.pdf
- Testplan.pdf
- Requirements.pdf

## 1.3 Definitions and Acronyms

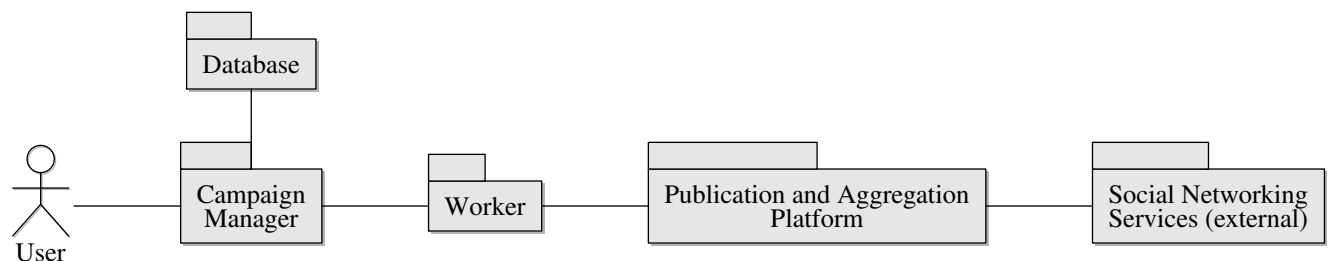
# 2 Approach and Constraints

## 2.1 Objectives

To assure integrity of the overall structure of the Mashbot Campaign Manager and Publishing and Aggregation Platform.

## 2.2 Structure

The Integration Test Plan shall contain test cases that verify interoperability of design architecture components specified in section 2.2 Architecture of the Mashbot Design Document. The following figure depicts this high-level system architecture.



The test cases shall provide automatically testable scenarios that focus on a single type of interaction between two design components.

Each scenario shall consist of a precondition, an action and a postcondition for the scenario. The precondition shall describe the state of the software before the tested action occurs. This may require the test case implementation to artificially construct data structures on both sides of the interface. The action defines how the integration test will be triggered by running a method from one of the two components. The postcondition is the desired state of the software after the tested action. This is what should be tested in the test case implementation to determine success or failure. To automate integration testing, each test case must:

- be self contained with appropriate setup and tear-down mechanisms
- be runnable from a script or test suite
- not require any user interaction while running
- provide a single pass or fail result.

## **2.3 Constraints**

- External APIs are not to be relied upon for testing, so these content sources will have to be mocked out for integration testing purposes.

# **3 Assumptions and Exclusions**

## **3.1 Assumptions**

- External APIs are assumed to have 100% uptime
- Each individual tests assume the rest of the service is working properly

## **3.2 Exclusions**

- There will be no testing of External API calls, as they are assumed to be working.

## 4 Entry and Exit Criteria

### 4.1 Entry Criteria

- All lower level tests pass, including behavioral tests, and unit tests.
- The hardware meets the specifications outlined in the Requirements Document.

### 4.2 Exit Criteria

- All top priority tests pass — success
- At least one top priority test fails — failure

## 5 Testing Participants

### 5.1 Roles and Responsibilities

- Campaign Manager Test Lead: Josiah Kiehl
- Publishing and Aggregation Platform Test Lead: Andrew Gall
- Testers: Josiah Kiehl, Andrew Gall, Cody Ray, Vito Salerno, Nick D’Andrea

### 5.2 Training Requirements

Testers should have general familiarity with the Campaign Manager and Publishing and Aggregation Platform. They should also be familiar with either Chrome, Firefox, Safari, or Internet Explorer web browsers.

### 5.3 Problem Reporting

Issues will be reported via the issue tracker on <http://github.com/codyaray/mashbot/issues> and will be assigned to the proper development team from there.

### 5.4 Progress Reporting

Regressions and failures will be reported to the respective team lead when they are discovered. Successes are assumed and will not be further reported.

## 6 Test Cases

### 6.1 Publishing and Aggregation Platform

#### 6.1.1 Feature: Push Status

Feature: Push Status

Push a Status to multiple services

As a client

I want to be able to get the ids for each individual status posted to each service that I specify.

Scenario: Pushing a Status to Twitter

Given that I have sent a request

And the authentication credentials are valid

And I have filled in at least the status field in the object model

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

Then there will be a Status posted on behalf of the user whose credentials were provided to Twitter

Scenario: Pushing a Status to Twitter and Facebook

Given that I have sent a request

And the authentication credentials are valid

And I have filled in at least the status field in the object model

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be a Status Pushed to services on behalf of the user whose credentials were provided to Twitter and Facebook

Scenario: Pushing a Status to Twitter and Facebook where the required information for one or both is not present.

Given that I have sent a request

And the authentication credentials are valid

And I have not filled in at least the status field in the object model

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that required information was not present.

Scenario: Pushing a Status to Twitter and Facebook where one or both of sets of authentication credentials are invalid.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the status field in the object model  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are not valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Pushing a Status to Twitter and Facebook where one or both services reject our request.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the status field in the object model  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

### **6.1.2 Feature: Pull Status**

Feature: Pull Status

Pull a Status from multiple services  
As a client



I want to be able to get a status from each service that I specify.

Scenario: Pulling a Status from Twitter

Given that I have sent a request

And the authentication credentials are valid

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

Then there will be a Status posted on behalf of the user whose credentials were provided to Twitter

Scenario: Pulling a Status from Twitter and Facebook

Given that I have sent a request

And the authentication credentials are valid

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be a Status Pulled from services on behalf of the user whose credentials were provided to Twitter and Facebook

Scenario: Pulling a Status to Twitter and Facebook where the required information for one or both is not present.

Given that I have sent a request

And the authentication credentials are valid

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be an error will be return to me indicating that required information was not present.

Scenario: Pulling a Status to Twitter and Facebook where one or both of sets of authentication credentials are invalid.

Given that I have sent a request  
And the authentication credentials are valid

And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are not valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Pulling a Status to Twitter and Facebook where one or both services reject our request.

Given that I have sent a request  
And the authentication credentials are valid

And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

### **6.1.3 Feature: Edit Status**

Feature: Edit Status

Edit a Status to multiple services  
As a client

I want to be able to get the ids for each edited status post for each service that I specify.

Scenario: Editing a Status to Twitter

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the relevant ids for each service  
And I have filled in the status field in the object model  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter

Then there will be a Status posted on behalf of the user whose credentials were provided to Twitter

Scenario: Editing a Status to Twitter and Facebook

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the relevant ids for each service  
And I have filled in the status field in the object model  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be a Status Edited to services on behalf of the user whose credentials were provided to Twitter and Facebook

Scenario: Editing a Status to Twitter and Facebook where the required information for one or both is not present.

Given that I have sent a request  
And the authentication credentials are valid  
And I have not filled in at least the status field in the object model or all relevant ids for each specified service are not present  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that required information was not present.

Scenario: Editing a Status to Twitter and Facebook where one or both of sets of authentication credentials are invalid.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the relevant ids for each service  
And I have filled in the status field in the object model  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter

And I have provided authentication credentials for Facebook  
And Those credentials are not valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Editing a Status to Twitter and Facebook where one or both services reject our request.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the relevant ids for each service  
And I have filled in the status field in the object model  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

#### **6.1.4 Feature: Delete Status**

Feature: Delete Status

Delete a Status from multiple services

As a client

I want to be able to get the ids for each deleted status post for each service that I specify.

Scenario: Deleteing a Status from Twitter

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in the status ids for services which you would like to delete statuses from.  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
Then there will be a Status posted on behalf of the user whose credentials were provided to Twitter

Scenario: Deleteing a Status from Twitter and Facebook

Given that I have sent a request

And the authentication credentials are valid

And I have filled in the status ids for services which you would like to delete statuses from.

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be a Status Deleted from services on behalf of the user whose credentials were provided to Twitter and Facebook

Scenario: Deleteing a Status to Twitter and Facebook where the required information for one or both is not present.

Given that I have sent a request

And the authentication credentials are valid

And I have not filled in status ids for all services which I would like to delete statuses from.

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be an error will be return to me indicating that required information was not present.

Scenario: Deleteing a Status to Twitter and Facebook where one or both of sets of authentication credentials are invalid.

Given that I have sent a request

And the authentication credentials are valid

And I have filled in the status ids for services which you would like to delete statuses from.

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

And I have provided authentication credentials for Facebook

And Those credentials are not valid for Facebook

And I have indicated an association with the service Facebook

Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Deleteing a Status to Twitter and Facebook where one or both services reject our request.

Given that I have sent a request

And the authentication credentials are valid

And I have filled in the status ids for services which you would like to delete statuses from.

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be an error returned to the user indicating which request succeeded and which requests failed.

#### **6.1.5 Feature: Push Blog**

Feature: Push Blog

Push a Blog to multiple services

As a client

I want to be able to get the ids for each individual blog posted to each service that I specify.

Scenario: Pushing a Blog to Blogger

Given that I have sent a request

And the authentication credentials are valid

And I have filled in at least the text and title fields in the object model

And I have provided authentication credentials for Blogger

And Those credentials are valid for Blogger

And I have indicated an association with the service Blogger

Then there will be a Blog posted on behalf of the user whose credentials were provided to Blogger

Scenario: Pushing a Blog to Blogger and Tumblr

Given that I have sent a request

And the authentication credentials are valid

And I have filled in at least the text and title fields in the object model

And I have provided authentication credentials for Blogger

And Those credentials are valid for Blogger  
And I have indicated an association with the service Blogger  
And I have provided authentication credentials for Tumblr  
And Those credentials are valid for Tumblr  
And I have indicated an association with the service Tumblr  
Then there will be a Blog Pushed to services on behalf of the user whose credentials were provided to Blogger and Tumblr

Scenario: Pushing a Blog to Blogger and Tumblr where the required information for one or both is not present.

Given that I have sent a request  
And the authentication credentials are valid  
And I have not filled in at least the text and title fields in the object model  
And I have provided authentication credentials for Blogger  
And Those credentials are valid for Blogger  
And I have indicated an association with the service Blogger  
And I have provided authentication credentials for Tumblr  
And Those credentials are valid for Tumblr  
And I have indicated an association with the service Tumblr  
Then there will be an error will be return to me indicating that required information was not present.

Scenario: Pushing a Blog to Blogger and Tumblr where one or both of sets of authentication credentials are invalid.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the text and title fields in the object model  
And I have provided authentication credentials for Blogger  
And Those credentials are valid for Blogger  
And I have indicated an association with the service Blogger  
And I have provided authentication credentials for Tumblr  
And Those credentials are not valid for Tumblr  
And I have indicated an association with the service Tumblr  
Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Pushing a Blog to Blogger and Tumblr where one or both services reject our request.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the text and title fields in the object model

And I have provided authentication credentials for Blogger  
And Those credentials are valid for Blogger  
And I have indicated an association with the service Blogger  
And I have provided authentication credentials for Tumblr  
And Those credentials are valid for Tumblr  
And I have indicated an association with the service Tumblr  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

#### **6.1.6 Feature: Pull Blog**

Feature: Pull Blog

Pull a Blog from multiple services

As a client

I want to be able to get a blog entry from each service that I specify.

Scenario: Pulling a Blog from Blogger

Given that I have sent a request

And the authentication credentials are valid

And I have provided authentication credentials for Blogger

And Those credentials are valid for Blogger

And I have indicated an association with the service Blogger

Then there will be a Blog posted on behalf of the user whose credentials were provided to Blogger

Scenario: Pulling a Blog from Blogger and Tumblr

Given that I have sent a request

And the authentication credentials are valid

And I have provided authentication credentials for Blogger

And Those credentials are valid for Blogger

And I have indicated an association with the service Blogger

And I have provided authentication credentials for Tumblr

And Those credentials are valid for Tumblr

And I have indicated an association with the service Tumblr

Then there will be a Blog Pulled from services on behalf of the user whose credentials were provided to Blogger and Tumblr

Scenario: Pulling a Blog to Blogger and Tumblr where the required information for one or both is not present.



Given that I have sent a request  
And the authentication credentials are valid

And I have provided authentication credentials for Blogger  
And Those credentials are valid for Blogger  
And I have indicated an association with the service Blogger  
And I have provided authentication credentials for Tumblr  
And Those credentials are valid for Tumblr  
And I have indicated an association with the service Tumblr  
Then there will be an error will be return to me indicating that required information was not present.

Scenario: Pulling a Blog to Blogger and Tumblr where one or both of sets of authentication credentials are invalid.

Given that I have sent a request  
And the authentication credentials are valid

And I have provided authentication credentials for Blogger  
And Those credentials are valid for Blogger  
And I have indicated an association with the service Blogger  
And I have provided authentication credentials for Tumblr  
And Those credentials are not valid for Tumblr  
And I have indicated an association with the service Tumblr  
Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Pulling a Blog to Blogger and Tumblr where one or both services reject our request.

Given that I have sent a request  
And the authentication credentials are valid

And I have provided authentication credentials for Blogger  
And Those credentials are valid for Blogger  
And I have indicated an association with the service Blogger  
And I have provided authentication credentials for Tumblr  
And Those credentials are valid for Tumblr  
And I have indicated an association with the service Tumblr  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

### 6.1.7 Feature: Edit Blog

Feature: Edit Blog

Edit a Blog to multiple services

As a client

I want to be able to get the ids for each edited blog post for each service that I specify.

Scenario: Editing a Blog to Blogger

Given that I have sent a request

And the authentication credentials are valid

And I have filled in at least the relevant ids for each service

And I have filled in the text and title fields in the object model

And I have provided authentication credentials for Blogger

And Those credentials are valid for Blogger

And I have indicated an association with the service Blogger

Then there will be a Blog posted on behalf of the user whose credentials were provided to Blogger

Scenario: Editing a Blog to Blogger and Tumblr

Given that I have sent a request

And the authentication credentials are valid

And I have filled in at least the relevant ids for each service

And I have filled in the text and title fields in the object model

And I have provided authentication credentials for Blogger

And Those credentials are valid for Blogger

And I have indicated an association with the service Blogger

And I have provided authentication credentials for Tumblr

And Those credentials are valid for Tumblr

And I have indicated an association with the service Tumblr

Then there will be a Blog Edited to services on behalf of the user whose credentials were provided to Blogger and Tumblr

Scenario: Editing a Blog to Blogger and Tumblr where the required information for one or both is not present.

Given that I have sent a request

And the authentication credentials are valid

And I have not filled in at least the text and title fields in the object model or all relevant ids for each specified service are not present

And I have provided authentication credentials for Blogger

And Those credentials are valid for Blogger  
And I have indicated an association with the service Blogger  
And I have provided authentication credentials for Tumblr  
And Those credentials are valid for Tumblr  
And I have indicated an association with the service Tumblr  
Then there will be an error will be return to me indicating that required information was not present.

Scenario: Editing a Blog to Blogger and Tumblr where one or both of sets of authentication credentials are invalid.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the relevant ids for each service  
And I have filled in the text and title fields in the object model  
And I have provided authentication credentials for Blogger  
And Those credentials are valid for Blogger  
And I have indicated an association with the service Blogger  
And I have provided authentication credentials for Tumblr  
And Those credentials are not valid for Tumblr  
And I have indicated an association with the service Tumblr  
Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Editing a Blog to Blogger and Tumblr where one or both services reject our request.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the relevant ids for each service  
And I have filled in the text and title fields in the object model  
And I have provided authentication credentials for Blogger  
And Those credentials are valid for Blogger  
And I have indicated an association with the service Blogger  
And I have provided authentication credentials for Tumblr  
And Those credentials are valid for Tumblr  
And I have indicated an association with the service Tumblr  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

### 6.1.8 Feature: Delete Blog

Feature: Delete Blog

Delete a Blog from multiple services

As a client

I want to be able to get the ids for each deleted blog post for each service that I specify.

Scenario: Deleteing a Blog from Blogger

Given that I have sent a request

And the authentication credentials are valid

And I have filled in the blog ids for services which you would like to delete bloges from.

And I have provided authentication credentials for Blogger

And Those credentials are valid for Blogger

And I have indicated an association with the service Blogger

Then there will be a Blog posted on behalf of the user whose credentials were provided to Blogger

Scenario: Deleteing a Blog from Blogger and Tumblr

Given that I have sent a request

And the authentication credentials are valid

And I have filled in the blog ids for services which you would like to delete bloges from.

And I have provided authentication credentials for Blogger

And Those credentials are valid for Blogger

And I have indicated an association with the service Blogger

And I have provided authentication credentials for Tumblr

And Those credentials are valid for Tumblr

And I have indicated an association with the service Tumblr

Then there will be a Blog Deleted from services on behalf of the user whose credentials were provided to Blogger and Tumblr

Scenario: Deleteing a Blog to Blogger and Tumblr where the required information for one or both is not present.

Given that I have sent a request

And the authentication credentials are valid

And I have not filled in blog ids for all services which I would like to delete bloges from.

And I have provided authentication credentials for Blogger

And Those credentials are valid for Blogger

And I have indicated an association with the service Blogger

And I have provided authentication credentials for Tumblr

And Those credentials are valid for Tumblr  
And I have indicated an association with the service Tumblr  
Then there will be an error will be return to me indicating that required information was not present.

Scenario: Deleteing a Blog to Blogger and Tumblr where one or both of sets of authentication credentials are invalid.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in the blog ids for services which you would like to delete bloges from.  
And I have provided authentication credentials for Blogger  
And Those credentials are valid for Blogger  
And I have indicated an association with the service Blogger  
And I have provided authentication credentials for Tumblr  
And Those credentials are not valid for Tumblr  
And I have indicated an association with the service Tumblr  
Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Deleteing a Blog to Blogger and Tumblr where one or both services reject our request.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in the blog ids for services which you would like to delete bloges from.  
And I have provided authentication credentials for Blogger  
And Those credentials are valid for Blogger  
And I have indicated an association with the service Blogger  
And I have provided authentication credentials for Tumblr  
And Those credentials are valid for Tumblr  
And I have indicated an association with the service Tumblr  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

### **6.1.9 Feature: Push Picture**

Feature: Push Picture

Push a Picture to multiple services

As a client

I want to be able to get the ids for each individual status posted to each service that I specify.

Scenario: Pushing a Picture to Picasa

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the picture, title, and album fields in the object model  
And I have provided authentication credentials for Picasa  
And Those credentials are valid for Picasa  
And I have indicated an association with the service Picasa  
Then there will be a Picture posted on behalf of the user whose credentials were provided to Picasa

Scenario: Pushing a Picture to Picasa and Facebook

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the picture, title, and album fields in the object model  
And I have provided authentication credentials for Picasa  
And Those credentials are valid for Picasa  
And I have indicated an association with the service Picasa  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be a Picture Pushed to services on behalf of the user whose credentials were provided to Picasa and Facebook

Scenario: Pushing a Picture to Picasa and Facebook where the required information for one or both is not present.

Given that I have sent a request  
And the authentication credentials are valid  
And I have not filled in at least the picture, title, and album fields in the object model  
And I have provided authentication credentials for Picasa  
And Those credentials are valid for Picasa  
And I have indicated an association with the service Picasa  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that required information was not present.

Scenario: Pushing a Picture to Picasa and Facebook where one or both of sets of authentication credentials are invalid.

Given that I have sent a request  
And the authentication credentials are valid

And I have filled in at least the picture, title, and album fields in the object model  
And I have provided authentication credentials for Picasa  
And Those credentials are valid for Picasa  
And I have indicated an association with the service Picasa  
And I have provided authentication credentials for Facebook  
And Those credentials are not valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Pushing a Picture to Picasa and Facebook where one or both services reject our request.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the picture, title, and album fields in the object model  
And I have provided authentication credentials for Picasa  
And Those credentials are valid for Picasa  
And I have indicated an association with the service Picasa  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

#### **6.1.10 Feature: Pull Picture**

Feature: Pull Picture

Pull a Picture from multiple services

As a client

I want to be able to get a status from each service that I specify.

Scenario: Pulling a Picture from Picasa

Given that I have sent a request

And the authentication credentials are valid

And I have provided authentication credentials for Picasa

And Those credentials are valid for Picasa

And I have indicated an association with the service Picasa

Then there will be a Picture posted on behalf of the user whose credentials were provided to Picasa

Scenario: Pulling a Picture from Picasa and Facebook

Given that I have sent a request

And the authentication credentials are valid

And I have provided authentication credentials for Picasa

And Those credentials are valid for Picasa

And I have indicated an association with the service Picasa

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be a Picture Pulled from services on behalf of the user whose credentials were provided to Picasa and Facebook

Scenario: Pulling a Picture to Picasa and Facebook where the required information for one or both is not present.

Given that I have sent a request

And the authentication credentials are valid

And I have provided authentication credentials for Picasa

And Those credentials are valid for Picasa

And I have indicated an association with the service Picasa

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be an error will be return to me indicating that required information was not present.

Scenario: Pulling a Picture to Picasa and Facebook where one or both of sets of authentication credentials are invalid.

Given that I have sent a request

And the authentication credentials are valid

And I have provided authentication credentials for Picasa

And Those credentials are valid for Picasa

And I have indicated an association with the service Picasa

And I have provided authentication credentials for Facebook

And Those credentials are not valid for Facebook

And I have indicated an association with the service Facebook

Then there will be an error will be return to me indicating that the particular authentication information was not valid.



Scenario: Pulling a Picture to Picasa and Facebook where one or both services reject our request.

Given that I have sent a request

And the authentication credentials are valid

And I have provided authentication credentials for Picasa

And Those credentials are valid for Picasa

And I have indicated an association with the service Picasa

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be an error returned to the user indicating which request succeeded and which requests failed.

#### **6.1.11 Feature: Edit Picture**

Feature: Edit Picture

Edit a Picture to multiple services

As a client

I want to be able to get the ids for each edited status post for each service that I specify.

Scenario: Editing a Picture to Picasa

Given that I have sent a request

And the authentication credentials are valid

And I have filled in at least the relevant ids for each service

And I have filled in the picture, title, and album fields in the object model

And I have provided authentication credentials for Picasa

And Those credentials are valid for Picasa

And I have indicated an association with the service Picasa

Then there will be a Picture posted on behalf of the user whose credentials were provided to Picasa

Scenario: Editing a Picture to Picasa and Facebook

Given that I have sent a request

And the authentication credentials are valid

And I have filled in at least the relevant ids for each service

And I have filled in the picture, title, and album fields in the object model

And I have provided authentication credentials for Picasa

And Those credentials are valid for Picasa

And I have indicated an association with the service Picasa

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be a Picture Edited to services on behalf of the user whose credentials were provided to Picasa and Facebook

Scenario: Editing a Picture to Picasa and Facebook where the required information for one or both is not present.

Given that I have sent a request  
And the authentication credentials are valid  
And I have not filled in at least the picture, title, and album fields in the object model or all relevant ids for each specified service are not present  
And I have provided authentication credentials for Picasa  
And Those credentials are valid for Picasa  
And I have indicated an association with the service Picasa  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that required information was not present.

Scenario: Editing a Picture to Picasa and Facebook where one or both of sets of authentication credentials are invalid.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the relevant ids for each service  
And I have filled in the picture, title, and album fields in the object model  
And I have provided authentication credentials for Picasa  
And Those credentials are valid for Picasa  
And I have indicated an association with the service Picasa  
And I have provided authentication credentials for Facebook  
And Those credentials are not valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Editing a Picture to Picasa and Facebook where one or both services reject our request.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the relevant ids for each service  
And I have filled in the picture, title, and album fields in the object model

And I have provided authentication credentials for Picasa  
And Those credentials are valid for Picasa  
And I have indicated an association with the service Picasa  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

### **6.1.12 Feature: Delete Picture**

Feature: Delete Picture

Delete a Picture from multiple services

As a client

I want to be able to get the ids for each deleted picture post for each service that I specify.

Scenario: Deleteing a Picture from Picasa

Given that I have sent a request

And the authentication credentials are valid

And I have filled in the picture ids for services which you would like to delete pictures from.

And I have provided authentication credentials for Picasa

And Those credentials are valid for Picasa

And I have indicated an association with the service Picasa

Then there will be a Picture posted on behalf of the user whose credentials were provided to Picasa

Scenario: Deleteing a Picture from Picasa and Facebook

Given that I have sent a request

And the authentication credentials are valid

And I have filled in the picture ids for services which you would like to delete pictures from.

And I have provided authentication credentials for Picasa

And Those credentials are valid for Picasa

And I have indicated an association with the service Picasa

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be a Picture Deleted from services on behalf of the user whose credentials were provided to Picasa and Facebook

Scenario: Deleteing a Picture to Picasa and Facebook where the required information for one or both is not present.

Given that I have sent a request

And the authentication credentials are valid

And I have not filled in picture ids for all services which I would like to delete pictures from.

And I have provided authentication credentials for Picasa

And Those credentials are valid for Picasa

And I have indicated an association with the service Picasa

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be an error will be return to me indicating that required information was not present.

Scenario: Deleteing a Picture to Picasa and Facebook where one or both of sets of authentication credentials are invalid.

Given that I have sent a request

And the authentication credentials are valid

And I have filled in the picture ids for services which you would like to delete pictures from.

And I have provided authentication credentials for Picasa

And Those credentials are valid for Picasa

And I have indicated an association with the service Picasa

And I have provided authentication credentials for Facebook

And Those credentials are not valid for Facebook

And I have indicated an association with the service Facebook

Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Deleteing a Picture to Picasa and Facebook where one or both services reject our request.

Given that I have sent a request

And the authentication credentials are valid

And I have filled in the picture ids for services which you would like to delete pictures from.

And I have provided authentication credentials for Picasa

And Those credentials are valid for Picasa

And I have indicated an association with the service Picasa

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

### **6.1.13 Feature: Push Video**

Feature: Push Video

Push a Video to multiple services

As a client

I want to be able to get the ids for each individual picture posted to each service that I specify.

Scenario: Pushing a Video to Twitter

Given that I have sent a request

And the authentication credentials are valid

And I have filled in at least the picture field in the object model

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

Then there will be a Video posted on behalf of the user whose credentials were provided to Twitter

Scenario: Pushing a Video to Twitter and Facebook

Given that I have sent a request

And the authentication credentials are valid

And I have filled in at least the picture field in the object model

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be a Video Pushed to services on behalf of the user whose credentials were provided to Twitter and Facebook

Scenario: Pushing a Video to Twitter and Facebook where the required information for one or both is not present.

Given that I have sent a request

And the authentication credentials are valid

And I have not filled in at least the picture field in the object model

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that required information was not present.

Scenario: Pushing a Video to Twitter and Facebook where one or both of sets of authentication credentials are invalid.  
Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the picture field in the object model  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are not valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Pushing a Video to Twitter and Facebook where one or both services reject our request.  
Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the picture field in the object model  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

#### **6.1.14 Feature: Pull Video**

Feature: Pull Video  
Pull a Video from multiple services  
As a client

I want to be able to get a picture from each service that I specify.

Scenario: Pulling a Video from Twitter

Given that I have sent a request

And the authentication credentials are valid

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

Then there will be a Video posted on behalf of the user whose credentials were provided to Twitter

Scenario: Pulling a Video from Twitter and Facebook

Given that I have sent a request

And the authentication credentials are valid

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be a Video Pulled from services on behalf of the user whose credentials were provided to Twitter and Facebook

Scenario: Pulling a Video to Twitter and Facebook where the required information for one or both is not present.

Given that I have sent a request

And the authentication credentials are valid

And I have provided authentication credentials for Twitter

And Those credentials are valid for Twitter

And I have indicated an association with the service Twitter

And I have provided authentication credentials for Facebook

And Those credentials are valid for Facebook

And I have indicated an association with the service Facebook

Then there will be an error will be return to me indicating that required information was not present.

Scenario: Pulling a Video to Twitter and Facebook where one or both of sets of authentication credentials are invalid.

Given that I have sent a request  
And the authentication credentials are valid

And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are not valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Pulling a Video to Twitter and Facebook where one or both services reject our request.

Given that I have sent a request  
And the authentication credentials are valid

And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

#### **6.1.15 Feature: Edit Video**

Feature: Edit Video

Edit a Video to multiple services  
As a client

I want to be able to get the ids for each edited picture post for each service that I specify.

Scenario: Editing a Video to Twitter

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the relevant ids for each service  
And I have filled in the picture field in the object model  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter



Then there will be a Video posted on behalf of the user whose credentials were provided to Twitter

Scenario: Editing a Video to Twitter and Facebook

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the relevant ids for each service  
And I have filled in the picture field in the object model  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be a Video Edited to services on behalf of the user whose credentials were provided to Twitter and Facebook

Scenario: Editing a Video to Twitter and Facebook where the required information for one or both is not present.

Given that I have sent a request  
And the authentication credentials are valid  
And I have not filled in at least the picture field in the object model or all relevant ids for each specified service are not present  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that required information was not present.

Scenario: Editing a Video to Twitter and Facebook where one or both of sets of authentication credentials are invalid.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the relevant ids for each service  
And I have filled in the picture field in the object model  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter

And I have provided authentication credentials for Facebook  
And Those credentials are not valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Editing a Video to Twitter and Facebook where one or both services reject our request.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in at least the relevant ids for each service  
And I have filled in the picture field in the object model  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

### **6.1.16 Feature: Delete Video**

Feature: Delete Video

Delete a Video from multiple services

As a client

I want to be able to get the ids for each deleted video post for each service that I specify.

Scenario: Deleteing a Video from Twitter

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in the video ids for services which you would like to delete videos from.  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
Then there will be a Video posted on behalf of the user whose credentials were provided to Twitter

Scenario: Deleteing a Video from Twitter and Facebook

Given that I have sent a request

And the authentication credentials are valid  
And I have filled in the video ids for services which you would like to delete videos from.  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be a Video Deleted from services on behalf of the user whose credentials were provided to Twitter and Facebook

Scenario: Deleting a Video to Twitter and Facebook where the required information for one or both is not present.

Given that I have sent a request  
And the authentication credentials are valid  
And I have not filled in video ids for all services which I would like to delete videos from.  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that required information was not present.

Scenario: Deleting a Video to Twitter and Facebook where one or both of sets of authentication credentials are invalid.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in the video ids for services which you would like to delete videos from.  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are not valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error will be return to me indicating that the particular authentication information was not valid.

Scenario: Deleting a Video to Twitter and Facebook where one or both services reject our request.

Given that I have sent a request  
And the authentication credentials are valid  
And I have filled in the video ids for services which you would like to delete videos from.  
And I have provided authentication credentials for Twitter  
And Those credentials are valid for Twitter  
And I have indicated an association with the service Twitter  
And I have provided authentication credentials for Facebook  
And Those credentials are valid for Facebook  
And I have indicated an association with the service Facebook  
Then there will be an error returned to the user indicating which request succeeded and which requests failed.

## 6.2 Campaign Manager

### 6.2.1 Feature: Login

Feature: Not logged in header links

In order to be able to log in

As a user

I want to be able to see the log in link in the header when I am not logged in.

Scenario: Not Logged in Header

Given I am on the home page

Then I should see "Login" within "#administrative-links"

And I should see "Register" within "#administrative-links"

And I should not see "Logout" within "#administrative-links"

Feature: Login

In order to be able to log in

As a user

I want to be able to see the log in link in the header when I am not logged in.

Scenario: Viewing the right header links while not logged in

Given I am on the home page

Then I should see "Login" within "#administrative-links"

And I should see "Register" within "#administrative-links"

And I should not see "Logout" within "#administrative-links"

Scenario: Registering a new account

Given I am on the home page

And there is no user using the email address "bloo@example.net"  
And I follow "Register"  
And I fill in "Bloo" for "Login"  
And I fill in "bloo@example.net" for "Email"  
And I fill in "bloospassword" for "Password"  
And I fill in "bloospassword" for "Password confirmation"  
And I fill in "Bloo Corp" for "Company"  
And I press "Register"  
Then there should be a user with the email "bloo@example.net" and the username "bloo"  
from the company "Bloo Corp"

#### Scenario: Logging In

Given I am on the home page  
And there is a user named "pojo" with the email "example@pojo.com", with the password "bumble\_bee1" from the company "Bloo Corp"  
When I follow "Login" within "#administrative-links"  
And I fill in "pojo" for "Login"  
And I fill in "bumble\_bee1" for "Password"  
And I press "Login"  
Then I should see "pojo" within "#administrative-links"  
And I should see "Logout" within "#administrative-links"  
And I should see "My Account" within "#administrative-links"  
And I should see "Bloo Corp" within ".title"

#### Scenario: Wrong Password

Given I am on the home page  
And there is a user named "pojo" with the email "example@pojo.com", with the password "bumble\_bee1" from the company "Bloo Corp"  
When I follow "Login" within "#administrative-links"  
And I fill in "pojo" for "Login"  
And I fill in "omgwrongpassword" for "Password"  
And I press "Login"  
Then I should see "Password is not valid"

#### Scenario: Wrong Login

Given I am on the home page  
And there is a user named "pojo" with the email "example@pojo.com", with the password "bumble\_bee1" from the company "Bloo Corp"  
When I follow "Login" within "#administrative-links"  
And I fill in "notpojo" for "Login"  
And I fill in "bumble\_bee1" for "Password"

And I press “Login”  
Then I should see “Login is not valid”

Scenario: Reset Password

Given I am on the login page  
And there is a user named “pojo” with the email “example@pojo.com”, with the password “bumble\_bee1” from the company “Bloo Corp”  
When I follow “Forgot Password” within “#administrative-links”  
Then I should see “A link to reset your password has been emailed to you.”  
And an email should be sent to “example@pojo.com.” with a link to a page to change your password.

### 6.2.2 Feature: Create Campaign

Feature: Create Campaign

In order to create a campaign  
As a user  
I want to create campaigns that will be able to hold content for publishing.

Scenario: Creating a campaign

Given pojo is logged in  
When I go to the create campaign page  
And I fill in “Amazing Campaign” for “Title”  
And I fill in “01/15/2100” for “Start date”  
And I fill in “02/14/2100” for “End date”  
And I press “Create!”  
Then I should see “Amazing Campaign”  
And I should see “01/15/2100”  
And I should see “02/14/2100”

Scenario: Creating a campaign

Given pojo is logged in  
When I go to the create campaign page  
And I fill in “Unfail Campaign” for “Title”  
And I press “Create!”  
Then I should see “Unfail Campaign”

Scenario: Validate sane start and end dates: start should be before end.

Given pojo is logged in  
When I go to the create campaign page

And I fill in "Fail Campaign" for "Title"  
And I fill in "01/15/2100" for "Start date"  
And I fill in "01/14/2100" for "End date"  
And I press "Create!"  
Then I should see "Hold up! You can't end something before you start it!"

Scenario: Make sure you can't have an end date without a start date.

Given pojo is logged in  
When I go to the create campaign page  
And I fill in "Fail Campaign" for "Title"  
And I fill in "01/14/2100" for "End date"  
And I press "Create!"  
Then I should see "Whoa buddy! You're going to need a start date if you intend to have an end date"

### 6.2.3 Feature: Schedule Campaign

Feature: Schedule Campaign

In order to schedule campaigns  
As a user  
I want to schedule and manage the start and end time of campaigns.

Scenario: Unscheduled Campaign List

Given pojo is logged in  
And I have campaigns titled Twitterblast, Social Network Blitz  
When I go to the schedule page  
Then I should see "Twitterblast"  
And I should see "Social Network Blitz"

Scenario: Create a new blog post

Given jsmith is logged in  
When I go to the create text post page  
And I fill in "My new blog!" for "Title" And I fill in "I'm so awesome.. listen to me!" for "Body"  
And I press "Create!"  
Then I should see "My new blog!"

Scenario: Create a new photo post

Given jsmith is logged in  
When I go to the create photo post page

And I fill in “ACME in London”  
And I upload an image file in “Photo”  
And I fill in “travel, london” for “Tags”  
And I press “Create!”  
Then I should see “XYZ Corp in London”

Scenario: Create a new video post

Given jsmith is logged in  
When I go to the create video post page  
And I fill in “ACME’s new Widget”  
And I upload a video file in “Video”  
And I press “Create!”  
Then I should see “ACME’s new Widget”

Scenario: Create a new status post

Given jsmith is logged in  
When I go to the create status post page  
And I fill in “Visiting a new client in Beijing.”  
And I upload a video file in “Status”  
And I press “Create!”  
Then I should see “Visiting a new client in Beijing.”

Scenario: Schedule a blog post

Given jsmith is logged in  
And there is a blog post with the title “My new blog!”  
When I go to the schedule page  
And I click “Schedule”  
And I fill in “02/20/10” for “Date” And I fill in “01:23” for “Time” And I press “Schedule!”  
Then the blog post with the title “My new blog!” is saved with a “Publish Time” of “1266628980”