

# Judgemental Mom

## Use Cases

Team 8 – Corey Clemente, Nick Louie, Derek Mei, Cam Williams

Judgemental Mom is a Social Media Analyzer tool, where upon connecting Facebook, Spotify, Twitter, and other social platforms, returns useful information such as playlist recommendations, and potentially interesting information such as a friend's personality type.

BOSTON UNIVERSITY  
CAS CS411 A2 FALL 2016  
SOFTWARE ENG  
ASSIGNMENT 2

Version 0.0

Date Created  
10/04/2016

Date Last Updated  
10/06/2016

TABLE OF CONTENTS

Table of Figures..... 1

Use Case List..... 1

Use Case Template..... 2

TABLE OF FIGURES

No table of figures entries found.

## USE CASE LIST

### USE CASE LIST

<b>ID</b>	<b>Primary Actor</b>	<b>Use Case Title</b>
1.0	User	Login / Register
2.0	User	Import Social Media
3.0	User	Analyze Social Media
4.0	User	Delete Account

## USE CASE SUMMARIES

### USE CASE 1.0: CAMERON WILLIAMS - "LOGIN USE CASE"

The user will, when prompted, select a social media account to sign in from, either Facebook or Twitter. When the user selects an account and enters their credentials, "Judgmental Mom" (JM) will check and validate the credentials given by the user. If the credentials are valid, they are logged into JM. If not, an error message will be displayed, and the user will have the option of either reentering valid credentials or selecting a different account to log in from. No passwords may be sent to the server. Only known, secure, salted, hashes are allowed to be stored of login passwords.

### USE CASE 2.0: DEREK MEI - "IMPORT USE CASE"

The user should be able to provide "Judgmental Mom" (JM) with access to their previous Facebook posts and friends list. After providing JM access to their information, JM should be

## Use Cases for Judgemental Mom

able to pass an aggregation of the user's posts, information, and data into a text analysis API, which will generate a report and compare it to other friends in the user's social network. This will allow a user to see visualized metrics such as the degree of similarity to others in the user's social network as well as recommended playlists and artists.

### USE CASE 3.0: COREY CLEMENTE - "ANALYSIS USE CASE"

The user will provide "Judgmental Mom" (JM) with access to at least one social media account, such as Facebook or Twitter. The user can also provide music account access to services like Spotify or Apple Music. JM will take all this account data (ex. posts, friends and personal information) and analyze this data to generate a report on the user. This report has three main sections: music playlist suggestion, friend comparison, and personality analysis. The music playlist suggestion gives the user new music to listen to by predicting favorability based on user data. The friend comparison provides the user with graphs and data points showing similarities and differences between friends based on all data. The personality analysis nicely wraps all the data given into a few values, such as economic and political leaning, grammar and most used themes, etc.

### USE CASE 4.0: NICK LOUIE – "DELETE ACCOUNT USE CASE"

As a User, I would like to be able to completely delete my account for security purposes. This should involve a complete removal from the database along with any personal information kept on the user. Perhaps even expire the user's cookie as well.

### USE CASE TEMPLATE

## USE CASE TEMPLATE

Use Case ID:	3.0		
Use Case Name:	Analyze Social Media		
Created By:	Nick Louie	Last Updated By:	Corey Clemente

## Use Cases for Judgemental Mom

Date Created:	10/04/2016	Date Last Updated:	10/06/2016
---------------	------------	--------------------	------------

Actors:	Spotify, Facebook, Analysis API(s), Users of Judgemental Mom, Judgemental Mom Web Service
Description:	After social media information is collected to the JM web service, JM will use the Analysis API(s) in order to generate recommendations and other interesting trends.
Trigger:	User requests an analysis (such as clicking “analyze”)
Preconditions:	<ol style="list-style-type: none"> <li>1. User Logs in or Registers</li> <li>2. User Agrees to Terms &amp; Conditions</li> <li>3. User Imports Social Media accounts</li> <li>4. Analysis API is Active and Ready to Take in Data</li> </ol>
Postconditions:	<ol style="list-style-type: none"> <li>1. User receives a report</li> <li>2. User has the ability to send report to email or view in browser</li> <li>3. User can share the report</li> <li>4. Server collects data</li> </ol>
Normal Flow Use Case 3.0:	<ol style="list-style-type: none"> <li>1. User clicks “analyze”</li> <li>2. Server obtains data through API calls to connected social media accounts</li> <li>3. Server obtains results from analysis APIs</li> <li>4. Server returns a report for music suggestions</li> </ol>
Alternative Flows:	3.1 User may choose to analyze one or more accounts

## Use Cases for Judgemental Mom

	<p>3.2 Server may only obtain info from one or API calls</p> <p>3.3 User may request for a report of their friends</p> <p>3.4 User may request for personality analysis</p>
Exceptions:	<p>3.3.E.1 User doesn't have any friends – so we make sure to judge them for that.</p> <p>3.0.E.1 User is missing social media info – we judge them for that (we can't make predictions)</p> <p>3.0.E.2 User is missing Spotify activity – we judge them for that (we can't make music predictions)</p>
Includes:	<p>Fetch Facebook data</p> <p>Fetch Spotify data</p> <p>Process data with analysis API(s)</p> <p>Generate report securely</p> <p>Share report</p>
Priority:	<p>Being able to process the FB, Spotify data with analysis API(s) is all top priority and is crucial to the functionality of JM.</p> <p>The security is a second level priority and the ability to share the report is low.</p>
Frequency of Use:	<p>This use case is not expected to be performed more than once a month by a user due to the nature of social media data, where one must wait for more activity to obtain significant differences in a report. However, a user can choose to access the application several times a month if he/she wants to be able to compare his/her results to a specific connection on one of their social media accounts.</p>
Business Rules:	<p>Security is priority. No personal information gained from analysis, other than basic information from user input, Facebook and Spotify will be kept on the server for longer than X days without encryption.</p>

## Use Cases for Judgemental Mom

Special Requirements:	Depending on the implementation of our software, we may want to perform client-side processing of User data in order to preserve the integrity of a secure platform. The goal is to never collect or store personal data. A user's data should be under the user's control at all times.
Assumptions:	We assume the User wants to use this product and agrees to the terms and conditions of use. We assume the user wants playlist suggestions and also to learn more about what can be gleaned from his/her social media account(s).
Notes and Issues:	