

Judgemental Mom Use Cases

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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.

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Use Cases for Judgemental Mom

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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

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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 1.0: LOGIN USE CASE

Use Case ID:	1.0		
Use Case Name:	Logging in with a Social Media Account		
Created By:	Derek Mei	Last Updated By:	Derek Mei

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Date Created:	10/04/2016	Date Last Updated:	11/01/2016
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Actors:	Facebook API, Users of Judgemental Mom, Judgemental Mom Web Service, Twitter API
Description:	A user will be asked to sign in or sign up using an existing social media account such that either Facebook or Twitter API will be able to authenticate the user's credentials.
Trigger:	User allows JM to access the user's social media information (such as clicking "log in with Facebook" or "log in with Twitter")
Preconditions:	<ol style="list-style-type: none"> 1. User Agrees to Terms & Conditions (given when user signs up) 2. User Has Facebook or Twitter Accounts 3. Facebook API is Active and Ready to Take in Credentials
Postconditions:	<ol style="list-style-type: none"> 1. User receives confirmation that his/her social media account has been imported 2. User has the ability to import his/her own information and others' information 3. Facebook API has confirmed credentials and ready to request more data from the specified user's account
Normal Flow Use Case 1.0:	<ol style="list-style-type: none"> 1. User clicks "Login with Facebook" or "Sign Up with Facebook" 2. Server obtains data through API calls to verify to social media accounts

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	<p>3. Server obtains confirmation or rejection from the API</p> <p>4. Server returns a message indicating whether or not a user was successfully logged in, passing them into the dashboard, or in the case a user's credentials could not be verified, having the user enter the correct credentials.</p>
Alternative Flows:	<p>1.1 User may choose to sign up using Twitter</p> <p>1.2 User may choose to decline Terms and Conditions</p>
Exceptions:	<p>2.1.E.1 User doesn't have a Facebook account – we judge them for not being connected to the world</p> <p>2.1.E.2 User has a Twitter account instead, in which case they would be able to log in with Twitter</p> <p>2.2.E.3 User has not completed set up of their Facebook account</p>
Includes:	<p>Process credentials entered by a user</p> <p>Fetch Facebook verification of credentials</p> <p>Fetch Twitter verification of credentials</p> <p>Share message with user either confirming or rejecting user's attempt to sign in or sign up from the API</p>
Priority:	<p>Being able to process authenticate with the API(s) from Twitter or Facebook is all top priority and is crucial to the functionality of JM.</p> <p>The security is also a very high priority.</p>
Frequency of Use:	<p>This use case is not expected to be performed only once at the inception of the account. A user will only need to create one account from his/her Facebook or Twitter, but he/she might need to re-login depending on whether or not the session has timed out. In that particular case, the credentials will need to be re-confirmed, going through the same steps for this use case again.</p>

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Business Rules:	Security is priority. No personal information gained from analysis, other than basic information from user input, and the account will timeout after X seconds.
Special Requirements:	Depending on the implementation of verification, we may want to perform server-side processing of the credentials, but make sure the login information is encrypted 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 has a social media account and has enough posts and information such that JM will be able to access the information and process it.
Notes and Issues:	

USE CASE 2.0: IMPORT SOCIAL MEDIA ACCOUNTS

Use Case ID:	2.0		
Use Case Name:	Import Social Media Accounts		
Created By:	Derek Mei	Last Updated By:	Derek Mei
Date Created:	10/04/2016	Date Last Updated:	11/01/2016

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Actors:	Facebook API, Users of Judgemental Mom, Judgemental Mom Web Service, Twitter API
Description:	A user will be asked to allow JM to access the user's friends and social media information so that JM can export the user's posts, information, and data and pass it into a text analysis application.
Trigger:	User allows JM to access the user's social media information (such as clicking "import information" or "import friend's list")
Preconditions:	<ol style="list-style-type: none"> 1. User Agrees to Terms & Conditions (given when user signs up) 2. User Has Facebook or Twitter Accounts 3. User is Already Logged Into JM Using One or More Social Media Accounts 4. Facebook API is Active and Ready to Take in Data
Postconditions:	<ol style="list-style-type: none"> 1. User receives confirmation that his/her social media account has been imported 2. User has the ability to import his/her own information and others' information 3. JM collects data and aggregates all information associated with user's posts and profile.
Normal Flow Use Case 2.0:	<ol style="list-style-type: none"> a. User clicks "Import" or "Sign In" b. Server obtains data through API calls to connect to social media accounts c. Server obtains results from Facebook and Twitter APIs d. Server returns a JSON or other data file containing user's information

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Alternative Flows:	<p>2.1 User may choose to analyze only his/her account</p> <p>2.2 User may choose to exclude certain information from being imported</p> <p>2.3 User may request for an analysis of their friends' list</p>
Exceptions:	<p>2.1.E.1 User doesn't have a Facebook account – we judge them for not being connected to the world</p> <p>2.1.E.2 User has a Facebook account but not enough information or data to import or pass into the next step</p> <p>2.2.E.3 User has not allowed for specific permissions to allow JM to access the information</p> <p>2.3.E.1 User has no Facebook friends</p> <p>2.3.E.2 User has not enough Facebook friends or has too few such that there is no data to import</p>
Includes:	<p>Fetch Facebook profile data</p> <p>Fetch Facebook friend data</p> <p>Fetch Facebook friend list</p> <p>Process all Facebook data</p> <p>Generate data file containing all information and posts from user</p> <p>Share data with text analysis API in the next step of the process</p>
Priority:	<p>Being able to process the social media data with the API(s) from Twitter or Facebook is all top priority and is crucial to the functionality of JM.</p> <p>The ability to generate data and pass it into the analysis API is medium priority.</p> <p>The security is a priority, but lower.</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</p>

	data, where one must wait for more activity to obtain significant differences in a report. In addition, once a user allows JM to receive the Facebook information, it will be unlikely that the user's profile or his/her friends list will need to be imported again. 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.
Business Rules:	Security is priority. No personal information gained from analysis, other than basic information from user input, Facebook and Twitter personal information will be kept on the server for longer than X days without encryption.
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 has a social media account and has enough posts and information such that JM will be able to access the information and process it.
Notes and Issues:	

USE CASE 3.0: ANALYZING SOCIAL MEDIA

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Use Case ID:	3.0		
Use Case Name:	Analyze Social Media		
Created By:	Nick Louie	Last Updated By:	Corey Clemente
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"> 1. User Logs in or Registers 2. User Agrees to Terms & Conditions 3. User Imports Social Media accounts 4. Analysis API is Active and Ready to Take in Data
Postconditions:	<ol style="list-style-type: none"> 1. User receives a report 2. User has the ability to send report to email or view in browser 3. User can share the report 4. Server collects data

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Normal Flow Use Case 3.0:	<ul style="list-style-type: none"> a. User clicks “analyze” b. Server obtains data through API calls to connected social media accounts c. Server obtains results from analysis APIs d. Server returns a report for music suggestions
Alternative Flows:	<ul style="list-style-type: none"> 3.1 User may choose to analyze one or more accounts 3.2 Server may only obtain info from one or API calls 3.3 User may request for a report of their friends 3.4 User may request for personality analysis
Exceptions:	<ul style="list-style-type: none"> 3.3.E.1 User doesn’t have any friends – so we make sure to judge them for that. 3.0.E.1 User is missing social media info – we judge them for that (we can’t make predictions) 3.0.E.2 User is missing Spotify activity – we judge them for that (we can’t make music predictions)
Includes:	<ul style="list-style-type: none"> Fetch Facebook data Fetch Spotify data Process data with analysis API(s) Generate report securely Share report
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</p>

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	wants to be able to compare his/her results to a specific connection on one of their social media accounts.
Business Rules:	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.
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:	

USE CASE 4.0: DELETING AN ACCOUNT

Use Case ID:	4.0		
Use Case Name:	Deleting a Judgmental Mom Account		
Created By:	Derek Mei	Last Updated By:	Derek Mei

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Date Created:	10/04/2016	Date Last Updated:	11/01/2016
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Actors:	Facebook API, Users of Judgemental Mom, Judgemental Mom Web Service, Twitter API, JM Server
Description:	A user will request to have his/her Judgmental Mom account deleted, with all personal data wiped from the server.
Trigger:	User clicks to delete his/her JM account, resulting in a complete deletion of all personal data from the server.
Preconditions:	<ol style="list-style-type: none"> 4. User Agrees to Terms & Conditions (given when user signs up) 5. User Has Facebook or Twitter Accounts 6. Facebook API is Active and Ready to Take in Credentials
Postconditions:	<ol style="list-style-type: none"> 4. User receives confirmation that his/her social media account has been imported 5. User has the ability to import his/her own information and others' information 6. Facebook API has confirmed credentials and ready to request more data from the specified user's account
Normal Flow Use Case 1.0:	<ol style="list-style-type: none"> 1. User clicks "Login with Facebook" or "Sign Up with Facebook" 2. Server obtains data through API calls to verify to social media accounts 3. Server obtains confirmation or rejection from the API

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	<p>4. Server returns a message indicating whether or not a user was successfully logged in, passing them into the dashboard, or in the case a user's credentials could not be verified, having the user enter the correct credentials.</p>
Alternative Flows:	<p>1.1 User may choose to sign up using Twitter</p> <p>1.2 User may choose to decline Terms and Conditions</p>
Exceptions:	<p>2.1.E.1 User doesn't have a Facebook account – we judge them for not being connected to the world</p> <p>2.1.E.2 User has a Twitter account instead, in which case they would be able to log in with Twitter</p> <p>2.2.E.3 User has not completed set up of their Facebook account</p>
Includes:	<p>Process credentials entered by a user</p> <p>Fetch Facebook verification of credentials</p> <p>Fetch Twitter verification of credentials</p> <p>Share message with user either confirming or rejecting user's attempt to sign in or sign up from the API</p>
Priority:	<p>Being able to process authenticate with the API(s) from Twitter or Facebook is all top priority and is crucial to the functionality of JM.</p> <p>The security is also a very high priority.</p>
Frequency of Use:	<p>This use case is not expected to be performed only once at the inception of the account. A user will only need to create one account from his/her Facebook or Twitter, but he/she might need to re-login depending on whether or not the session has timed out. In that particular case, the credentials will need to be re-confirmed, going through the same steps for this use case again.</p>

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Business Rules:	Security is priority. No personal information gained from analysis, other than basic information from user input, and the account will timeout after X seconds.
Special Requirements:	Depending on the implementation of verification, we may want to perform server-side processing of the credentials, but make sure the login information is encrypted 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 has a social media account and has enough posts and information such that JM will be able to access the information and process it.
Notes and Issues:	