Legend

Grant	▮ (blue)	Stephen L	▮ (orange)
Stephen W	▮ (yellow)	Team	▮ (teal)
Milestone	▮ (red)		

Team Grant Gantt Chart

ID	Task Name	Start	Finish	Actual Finish	Actual Duration
1	Research Spotify API/Spotipy	10/17/2016	10/22/2016	10/28/2016	10d
2	Research Feasible ML Techniques	10/17/2016	11/28/2016	11/28/2016	43d
3	**Basic App Skeleton**	**10/17/2016**	**10/26/2016**	**10/26/2016**	**10d**
4	Toy Authentication App	10/17/2016	10/17/2016	10/17/2016	1d
5	Toy Song Features App	10/17/2016	10/18/2016	10/18/2016	1d
6	Set up feature vector from Spotify track object	10/20/2016	10/20/2016	10/20/2016	1d
7	Process songs into a user profile	10/22/2016	10/23/2016	10/23/2016	1d
8	Variance & Mutator Functions	10/22/2016	10/23/2016	10/23/2016	1d
9	Test and display variances	10/24/2016	10/26/2016	10/26/2016	1d
10	Fetch & assemble profile data	10/21/2016	10/21/2016	10/21/2016	1d
11	Compare & interpret feature differences	10/27/2016	10/27/2016	10/27/2016	1d
12	**Acquisition of songs**	**10/25/2016**	**11/1/2016**	**11/1/2016**	**8d**
13	Script to fetch songs & playlists	10/31/2016	11/1/2016	11/1/2016	1d
14	Script to fetch new releases	10/29/2016	10/30/2016	10/30/2016	1d
15	Script to fetch from search query string	10/25/2016	10/26/2016	10/26/2016	1d
16	UML Deliverables & Docs	10/22/2016	11/1/2016	11/1/2016	11d
17	Demonstrable Prototype	10/29/2016	10/31/2016	10/31/2016	3d
18	**Migrate to local database**	**11/13/2016**	**11/29/2016**	**11/29/2016**	**7d**
19	Modify setup to build database	11/13/2016	11/15/2016	11/15/2016	3d
20	Modify User to fill database	11/15/2016	11/15/2016	11/15/2016	3d
21	Add update library methods	11/16/2016	11/20/2016	11/20/2016	5d
22	Database stable and verified	11/20/2016	11/29/2016	11/29/2016	10d
23	**Playlist Creation**	**11/13/2016**	**11/30/2016**	**11/30/2016**	**1d**
24	Research options for featured playlist retrieval	11/13/2016	11/15/2016	11/15/2016	3d
25	Implement playlist create & modify	11/19/2016	11/19/2016	11/19/2016	1d
26	Test populate and clean up playlist	11/19/2016	11/30/2016	11/30/2016	12d
27	**Difference Quantification**	**10/30/2016**	**11/28/2016**	**11/28/2016**	**1d**
28	Difference calculations	10/30/2016	11/19/2016	11/19/2016	21d
29	Standard deviations calculation	11/26/2016	11/27/2016	11/27/2016	2d
30	Weighting methods	11/20/2016	11/27/2016	11/27/2016	8d
31	Automatic weighting adjustment	11/27/2016	11/27/2016	11/27/2016	1d
32	Automatic update of profile, stddevs, and weights	11/27/2016	11/27/2016	11/27/2016	1d
33	End to End weighted difference methods	11/28/2016	11/28/2016	11/28/2016	1d
34	**User Experience/Stability**	**11/16/2016**	**12/2/2016**	**12/2/2016**	**1d**
35	Automate installation to shell script (as much as possible)	11/16/2016	12/2/2016	12/2/2016	1d
36	Add fix for Spotipy bugs	11/30/2016	11/30/2016	11/30/2016	1d
37	Move to configuration file	11/30/2016	11/30/2016	11/30/2016	1d
38	**Stitching & Refinement**	**11/26/2016**	**12/8/2016**	**12/8/2016**	**1d**
39	Recommendation script	11/27/2016	11/30/2016	11/30/2016	4d
40	Playlist fetch and populate	11/30/2016	11/30/2016	11/30/2016	1d
41	Working end-to-end implementation	11/27/2016	11/30/2016	11/30/2016	4d
42	Single entry script	12/8/2016	12/8/2016	12/8/2016	1d
43	Filter outliers	11/26/2016	11/27/2016	11/27/2016	2d
44	**Testing Suite**	**11/26/2016**	**12/8/2016**	**12/8/2016**	**1d**
45	Database tests	11/26/2016	11/26/2016	11/26/2016	1d
46	Function/mutator tests	12/4/2016	12/4/2016	12/4/2016	1d
47	Math tests	12/4/2016	12/4/2016	12/4/2016	1d
48	Class tests	12/4/2016	12/4/2016	12/4/2016	1d
49	Playlist tests	12/3/2016	12/3/2016	12/3/2016	1d
50	"One-click" test script	12/8/2016	12/8/2016	12/8/2016	1d
51	**Deliverables**	**11/27/2016**	**12/14/2016**	**12/14/2016**	**1d**
52	Deployment Plan	11/27/2016	11/29/2016	11/29/2016	3d
53	User manual & pictures	12/6/2016	12/8/2016	12/8/2016	3d
54	Marketing Plan	12/8/2016	12/14/2016	12/14/2016	7d
55	Gantt Chart & Backlog Review	12/14/2016	12/14/2016	12/14/2016	1d
56	UML State Diagram	12/14/2016	12/14/2016	12/14/2016	5d
57	UML Use Case Diagram	12/14/2016	12/14/2016	12/14/2016	1d
58	UML Class Diagram	12/14/2016	12/14/2016	12/14/2016	1d