

SCRUM PROJECT MANAGEMENT GANTT CHART



GANTT CHART AND BURNDOWN

ESTIMATE	COMPLETED	REMAINING	DAYS	EST/DAYS
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45 2.7777778

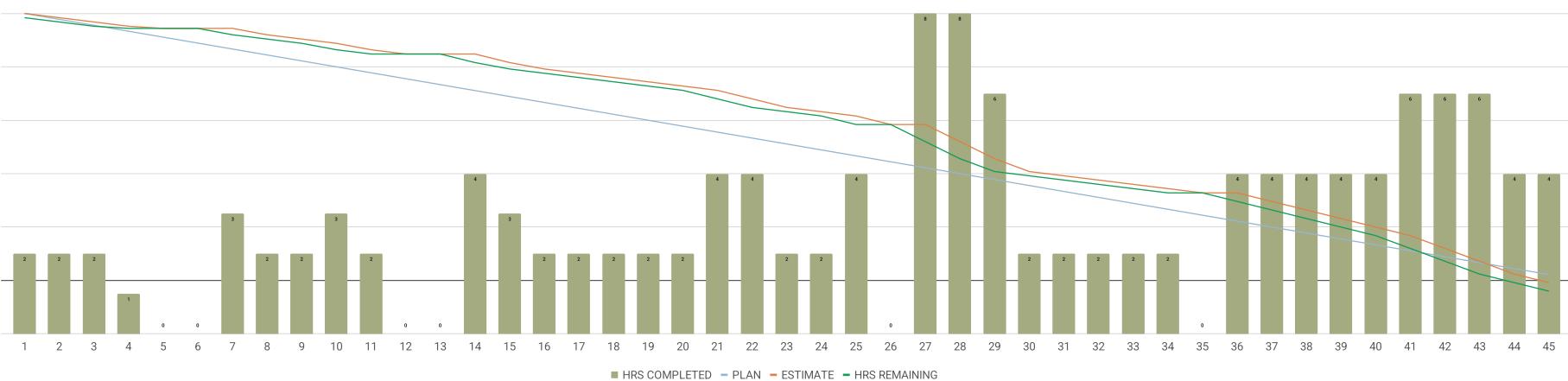


TOTAL HOURS

3351

130

BURNDOWN CHART



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#	No.	Module	Function Name	Description	⌚ Type	DET	RET/FTR	⌚ Complexity	FP	Remarks
1	User Management	User		Model stored to represent user accounts (artists/listeners).	ILF	7	1	Low	7	Users table (H2). DETs: ID, Email, Pass, Role, etc.
2	Song Management	Song		Model stored to represent song metadata and files.	ILF	13	1	Low	7	Songs collection (Mongo). DETs: _id, title, artistId, fileUrl, likedBy, etc.
3	Follow	Follows		Model stored to represent the follow relationship.	ILF	2	1	Low	7	USER_FOLLOWERS table (H2). DETs: follower_id, artist_id.
4	Notification	Notification		Model stored to represent user notifications.	ILF	11	1	Low	7	NOTIFICATIONS table (H2).
5	User Management	Register		(US 1) As an unregistered user, I want to create an account...	EI	4	1	Low	3	Modifies User ILF. DETs: username, email, pass, role.
6	User Management	Edit Profile		(US 2) As a registered user, I want to edit my profile...	EI	4	1	Low	3	Modifies User ILF. DETs: user_id, name, email, pass.
7	User Management	Delete Account		(US 3) As a registered user, I want to delete my account...	EI	1	3	Low	3	Modifies User, User Follows, Song ILFs (via RabbitMQ).
8	User Management	Login		(US 4) As a registered user... I want to log in...	EI	2	1	Low	3	Reads User ILF to validate. DETs: email, pass.
9	User Management	Logout		(US 5) As a registered logged-in user, I want to log out...	EI	1	1	Low	3	Modifies user session/token status.
10	Discovery	View Home Page		(US 6) ...explore the newest and most popular uploaded songs.	EO	3	1	Low	4	Reads Song ILF (via Elastic). Data is processed.
11	Follow	Follow Artist		(US 7) As a registered user, I want to follow an artist...	EI	2	1	Low	3	Modifies User Follows ILF.
12	Follow	Unfollow Artist		(US 8) As a registered user, I want to unfollow an artist...	EI	2	1	Low	3	Modifies User Follows ILF.
13	Follow	View Following Page		(US 9) ...see the artists I follow.	EQ	3	2	Low	3	Reads User Follows and User ILFs.
14	Feed	View Feed Page		(US 10) ...see the recent uploads from the artists I follow.	EO	4	2	Low	4	Reads User Follows & Song ILFs. Data is processed.
15	Notification	Get Notifications		(US 11) ...get notified when someone I follow uploads...	EQ	5	1	Low	3	Reads Notification ILF.
16	Song Management	Upload Song		(US 12) As an artist, I want to upload a song...	EI	6	1	Low	3	Modifies Song ILF. DETs: title, genre, album, files...
17	Song Management	View Uploaded Songs		(US 13) ...see the list of songs I have uploaded.	EQ	5	1	Low	3	Reads Song ILF.
18	Song Management	Delete Song		(US 14) As an artist, I want to delete one of my... songs.	EI	1	1	Low	3	Modifies Song ILF (and MinIO file).
19	Song Management	Update Song Details		(US 15) As an artist, I want to update the details of a song...	EI	6	1	Low	3	Modifies Song ILF.
20	Song Management	Get Song Details		(US 16) ...listen to a song available on the platform...	EQ	6	1	Low	3	Reads Song ILF. (Fetches data for player).
21	Song Management	Like Song		(US 17) As a registered user, I want to add a song to my favorites...	EI	2	1	Low	3	Modifies Song ILF (adds user to likedBy array).
22	Song Management	View Liked Songs		(US 18) ...see the list of my liked songs.	EQ	5	1	Low	3	Reads Song ILF (queries likedBy array).
23	Song Management	Download Song		(US 19) As a user, I want to download a song...	EO	2	1	Low	4	Reads Song ILF (gets file from MinIO).
24	Discovery	Search Songs		(US 20) ...search for songs by title, artist, or genre.	EQ	6	1	Low	3	Reads Song ILF (via Elastic).
25	User Management	View Profile Page		(US 21, 22) ...access my Profile Page / visit an artist's Profile...	EO	6	3	Medium	5	Reads User, Song, User Follows ILFs. Aggregates data.
										Total Unadjusted Function Points 96