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D Task name	Description	Resources	Duration	Priority	Start Date	Finish Date Jan Feb Mar	Apr May	ay Jun Jul	Aug Sep	Oct Nov Dec			
Al Playlist Generator With Spotify Integration			107.0 d.	None	1/3/22	5/31/22							
2 ☐ Phase 1: Requirement Analysis  Gather User Needs	Conduct interviews, surveys, and research to gather user requirements and preferences.  Document user stories and use	Business Analyst / Project Manager	21.0 d. 6.0 d.	None 1	1/3/22	1/31/22							
1 Define System Scope	Determine the boundaries and limitations of the Al Playlist Generator system. Establish the scope of functionalities to be developed.	Project Manager / System Architect	8.0 d.	1	Warder Hart Led 1/11/22	1/20/22 notice the state of the	norde estate  no	Wedge ende	White de la	White de la	Weiter in the state of the stat	White de la	White design to the state of th
5 Identify Key Features	Identify the essential features and capabilities required for the Al Playlist Generator, considering user feedback and market trends.	Product Owner / Business Analyst	7.0 d.	1	1/21/22	1/31/22							
☐ Phase 2: System Design			19.0 d.	None	2/1/22	2/25/22							
7 UI/UX Design	Create wireframes and mockups for the user interface (UI) and design the user experience (UX) to ensure an intuitive and visually appealing design.	UI/UX Designer	9.0 d.	2	2/1/22	2/11/22	nde diat	restrate	the talk to the ta	rtte filate	nder <sup>shat</sup>	nde tellate	nder share
Database Design	Design the database schema, including tables, relationships, and data storage structures required to support playlist generation and user profiles.	Database Architect	15.0 d.	12	2/1/22	2/21/22 The state of the state	Shift day	Mighton.	Thornton, and the state of the	Wighten.	Shighson,	Jugaran, Marketan,	Jung Haram
9 API Design	Define the structure and endpoints of the application programming interfaces (APIs) needed for frontend-backend communication.	System Architect / Backend Developer	19.0 d.	1	2/1/22	2/25/22							
0 ☐ Phase 3: Frontend Development			31.0 d.	None	2/25/22	4/8/22							
1 Develop UI Components	Implement the UI components, including screens, buttons, forms, and interactive elements, based on the UI/UX design. Ensure responsiveness and cross-browser compatibility.	Frontend Developer / UI/UX Designer	20.0 d.	1	2/25/22	3/24/22	Andrides Hait	Winderinat Winderinat	Werderstate Werderstate	Werderstate Redamnat	Windestate Williams	White designate which the state of the state	Monday the state
2 Implement User Flows	Develop the logic for user navigation and interaction within the UI, ensuring smooth user experiences.	Frontend Developer	7.0 d.	2	3/25/22	4/4/22							
3 Testing and Debugging	Conduct unit testing and debugging of frontend components to identify and resolve issues and ensure proper functionality.	Quality Assurance Tester / Frontend Developer	6.0 d.	3	4/1/22	4/8/22	_						
4 ☐ Phase 4: Backend Development	Doubles the healtend ADIa	who.	43.0 d.	None	2/25/22	4/26/22	, ale	water	Vite.	, the	wat <sup>©</sup>	, of the same of t	was a second
5 Herrican Implement APIs	Develop the backend APIs required for user management, playlist generation, and data retrieval.  Create and configure the	Backend Developer	23.0 d.	2	2/25/22	3/29/22 Rechtlichen der State of State	Indicated and the state of the	Wichtenhat Tellonhat	3 Heldanhat	3 Honder and the state of the s	Andreds to the state of the sta	Mendeles in a transfer in a tr	Mendelstander
6 Set Up Database	database system, including tables, indexes, and data storage, as per the database design.  Develop and implement AI and	Backend Developer	24.0 d.	1	2/25/22	3/30/22							
7 Implement Algorithms	machine learning algorithms for playlist generation based on user preferences.	Al/ML Engineer / Backend Developer	43.0 d.	1	2/25/22	4/26/22							
8 ☐ Phase 5: Integration With Spotify			15.0 d.	None	4/8/22	4/28/22							
9 Authenticate with Spotify	Implement authentication mechanisms to securely connect the Al Playlist Generator with the Spotify platform.	System Integrator	15.0 d.	1	4/8/22	4/28/22 Indicate the state of t	And Held and the Letter and the Lett	Wentershale	Mondelstandet Mendelstandet	Welder Hate	Wichlestale Andread Control of the C	Worlder Hare	White designate
Access Spotify Catalog	Develop features that allow users to browse and select songs from Spotify's music catalog.  Establish mechanisms to	Backend Developer / System Integrator  Backend Developer / System	7.0 d.	2	4/8/22	4/18/22							
Playlist Integration	integrate user-generated playlists with the user's Spotify account.	Integrator	0.0 u.	2	4/8/22	4/15/22	_						
Phase 6: Testing and Quality Assurance	Conduct comprehensive eveter		11.0 d.	1	4/29/22	5/13/22							
System Testing	Conduct comprehensive system testing to verify the functionality of all features. Identify and address integration issues, performance bottlenecks, and security vulnerabilities.	Quality Assurance Team	11.0 d.	2	4/29/22	5/13/22	monded and the first of the fir	Wenter that	Mondel share	Worder Hate	McHelestale	Mildele Hale	Wetternhat
☐ Phase 7: Maintenance and Update			13.0 d.	None	5/13/22	5/31/22							
Ongoing Maintenance	Establish an ongoing maintenance plan to address issues, apply security patches, and perform routine updates.  Monitor system performance and scalability.	System Adminstrators	13.0 d.	2	5/13/22	5/31/22	-						

Planned start Date: January 3, 2022 Planned completion Date: May 31, 2022 Total construction Period: 107 days