



Faculty of Computing

Web-Based Music Store Project

SE2030 – Software Engineering
Year 2 Semester 1 (2025)

Group ID: 2025-Y2-S1-MLB-B3G1-08
Batch Group No: Y2.S1.WD.03.01

Group members:

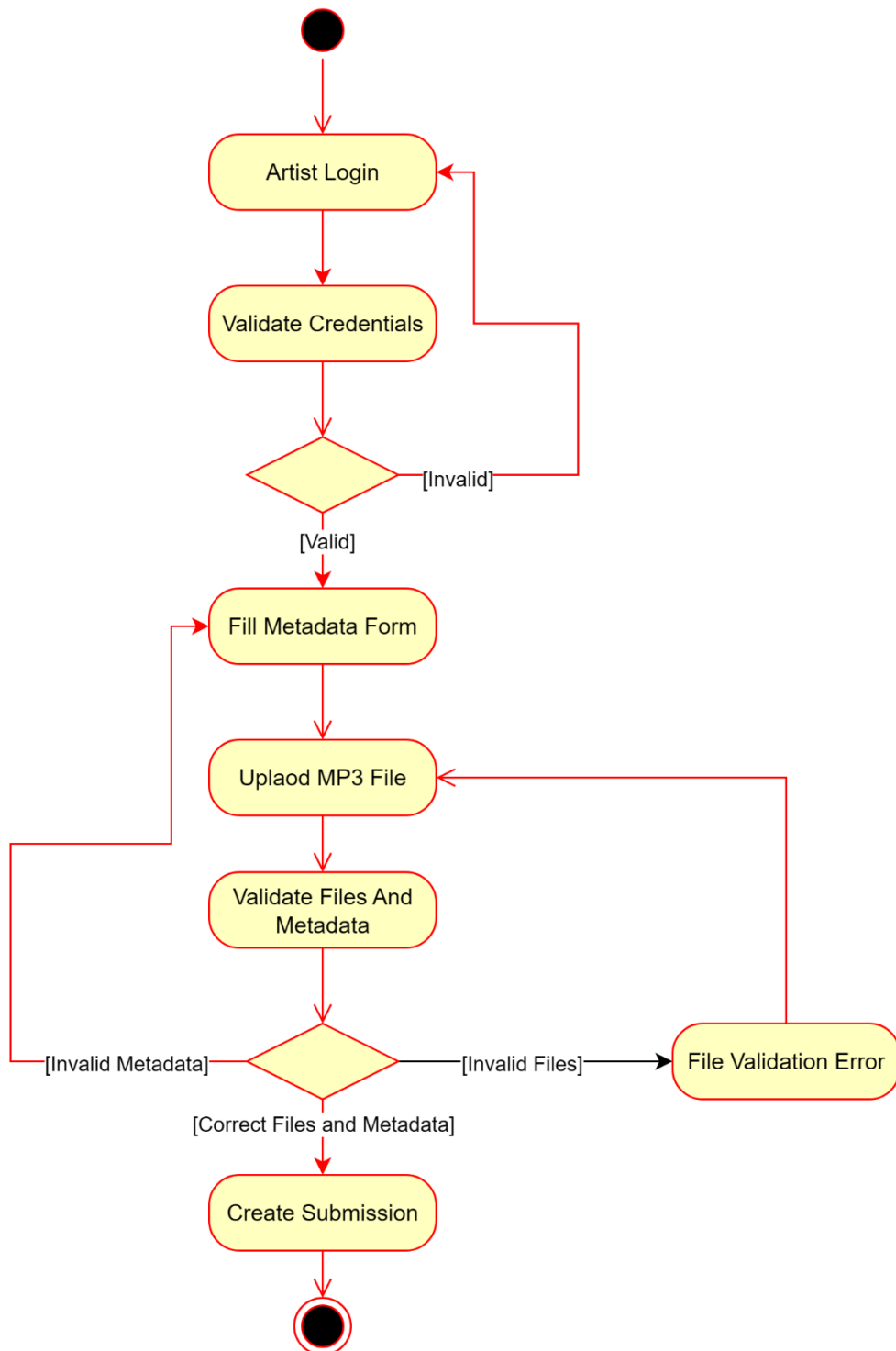
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Date of Submission

Artist Music Upload and Management

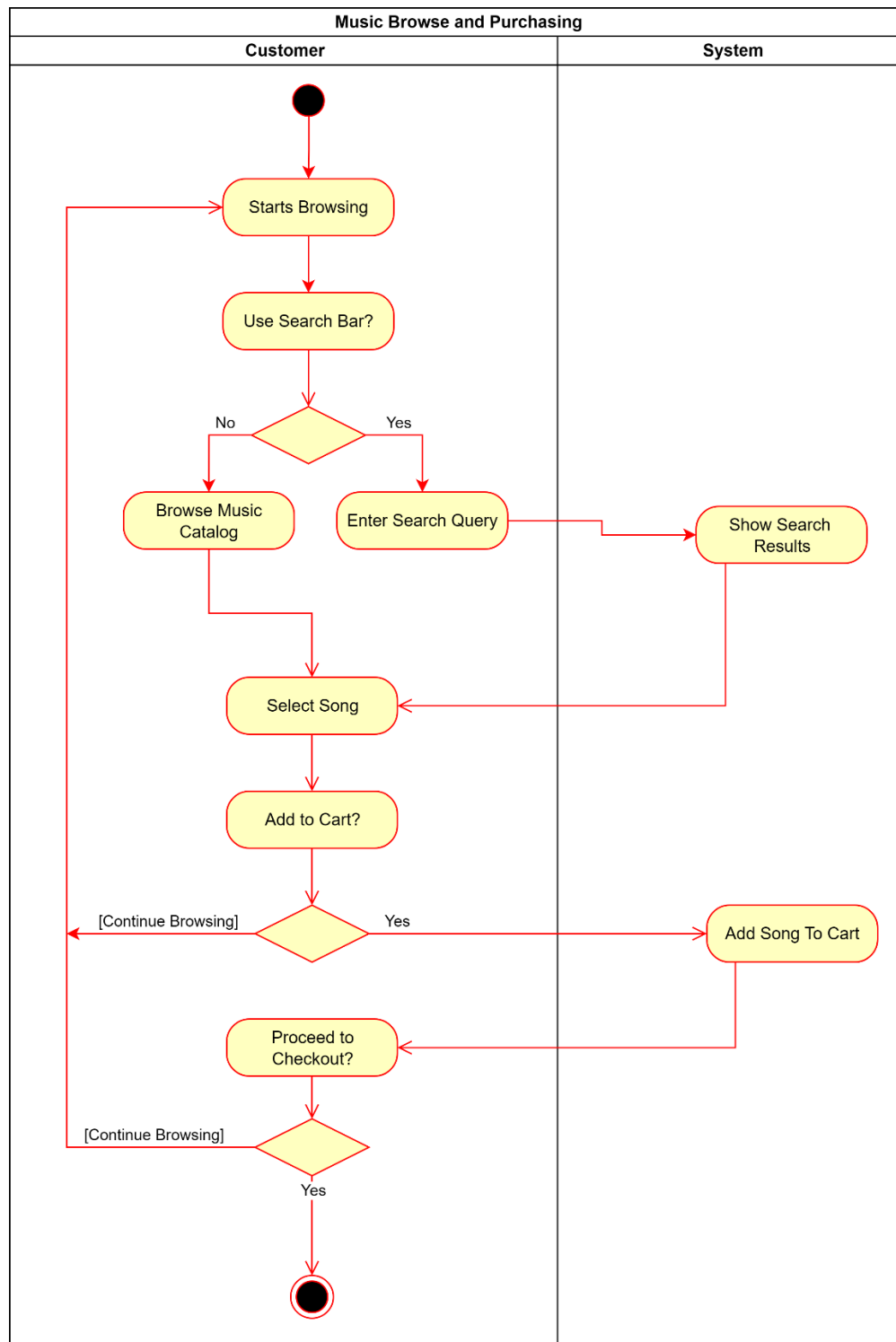
Vithanage M.M - IT24100288



Name	Uploading New Song	
Summary	A registered artist logs into the system and uploads a new song, providing all necessary details for it to be reviewed and sold on the platform.	
Preconditions	User is logged into the system.	
Postconditions	The song file is uploaded to the server. The song's metadata is saved.	
Primary Actor(s)	Artist	
Trigger	The artist navigates to their dashboard and clicks the "Upload Music" button.	
Main Scenario	Step	Action
	1	System displays the artist's dashboard upon login.
	2	User selects the "Upload Music" option.
	3	System displays a form with fields for metadata and a file upload.
	4	User enters details (Song Name, Album, Genre, Price).
	5	User selects an audio file from their device.
	6	User clicks the "Submit" button.
	7	System validates all data and the file format.
	8	System saves the song and sets its status to "Pending Approval".
	9	System confirms: "Song submitted for admin review."
Extensions	Step	Action
	7a	Validation fails (e.g., missing price, invalid file type). The system displays an error message and does not submit the form.
	7b	The file is too large. System displays an error message suggesting the artist compress the file or upload a smaller one.

Customer Music Browse and Purchasing

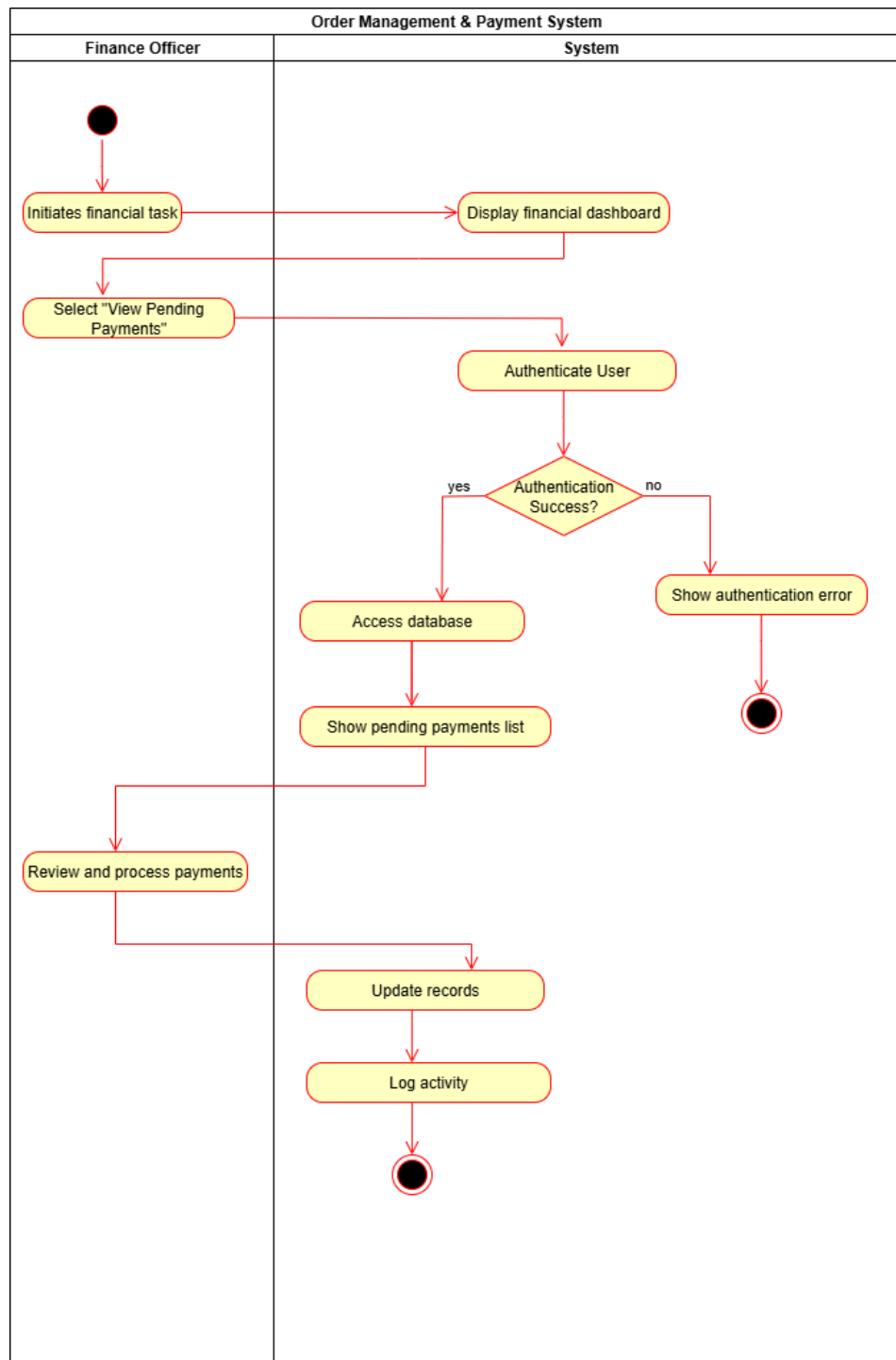
Perera B.P.N. - IT24100327



Name	Browse and Purchase Music	
Summary	Involves the customer initiating a browsing session on the music platform.	
Preconditions	User must be logged into the music platform	
Postconditions	User has successfully added songs to cart and ready for checkout.	
Primary Actor(s)	Customer	
Secondary Actor(s)	System	
Trigger	User initiates browsing on the platform	
Main Scenario	Step	Action
	1	The system displays a music catalog.
	2	User browses the music catalog.
	3	User selects music tracks.
	4	User adds tracks to the cart.
	5	User initiates checkout.
Extensions	Step	Action
	2a	User decides whether to use the search bar.
	2b	The user enters a search query, and the system displays the search results.
	4a	If the user chooses not to add, User continues browsing.

Order Management & Payment System

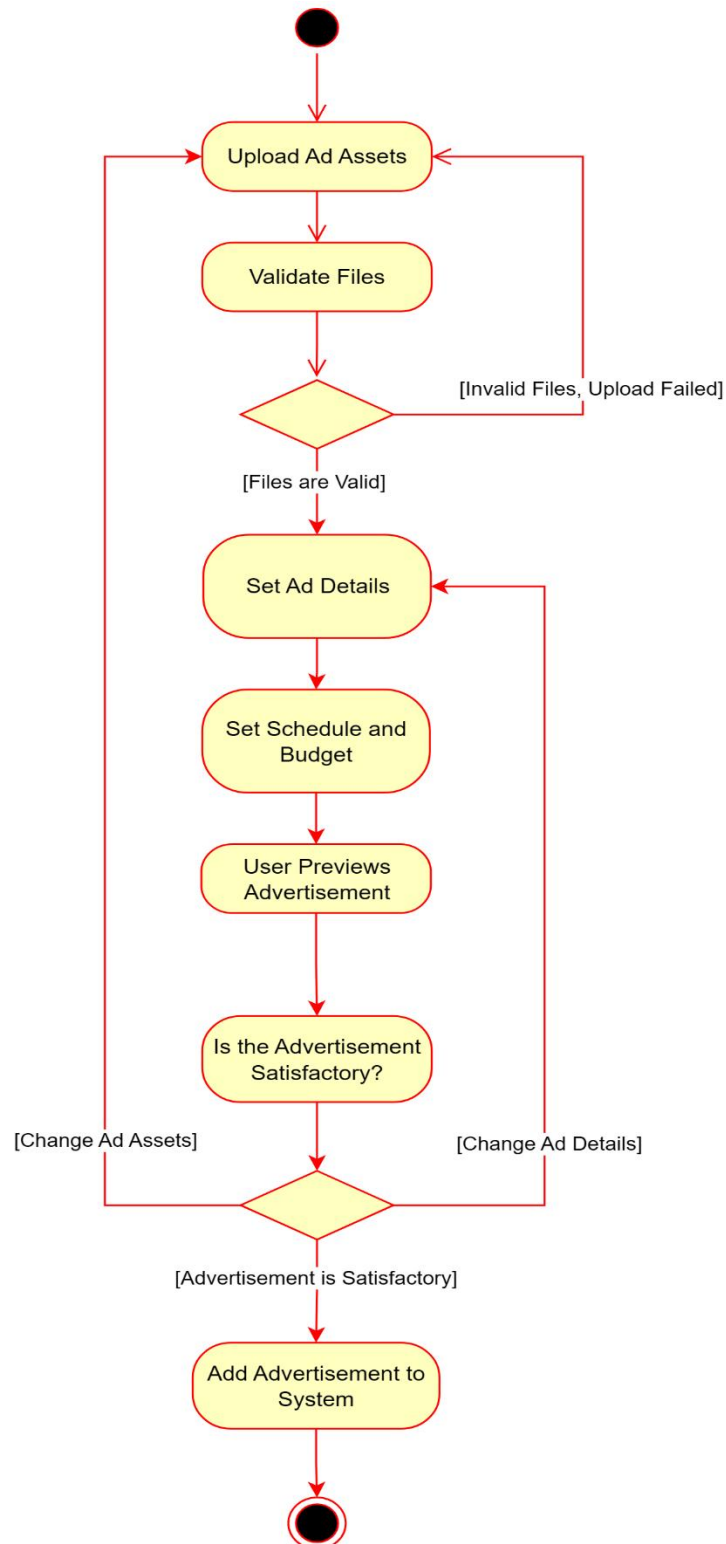
Nimneth P. B. Y - IT24100304



Name	Manage Financial Operations	
Summary	The Finance Officer manages financial operations by viewing pending payments, generating reports, approving expenses, and filtering transactions.	
Preconditions	The user is logged in and authenticated as a Finance Officer. The system has access to the financial database and transaction data.	
Postconditions	Financial tasks (e.g., payments processed, reports generated, expenses approved, transactions filtered) are completed successfully.	
Primary Actor(s)	Finance Officer	
Trigger	Finance Officer initiates a financial management task	
Main Scenario	Step	Action
	1	The system displays a financial dashboard.
	2	User selects "View Pending Payments".
	3	System authenticates the user.
	4	System accesses the database and shows the pending payments list.
	5	User reviews and processes payments.
	6	System updates records and logs activity.
Extensions	Step	Action
	4b	Database fails: Shows error and retries.
	5a	Payment processing delayed: Notifies User.
	5b	Invalid payment data: Prompts for correction.
	6a	Update fails: Logs error and notifies admin.

Marketing and Promotion Management

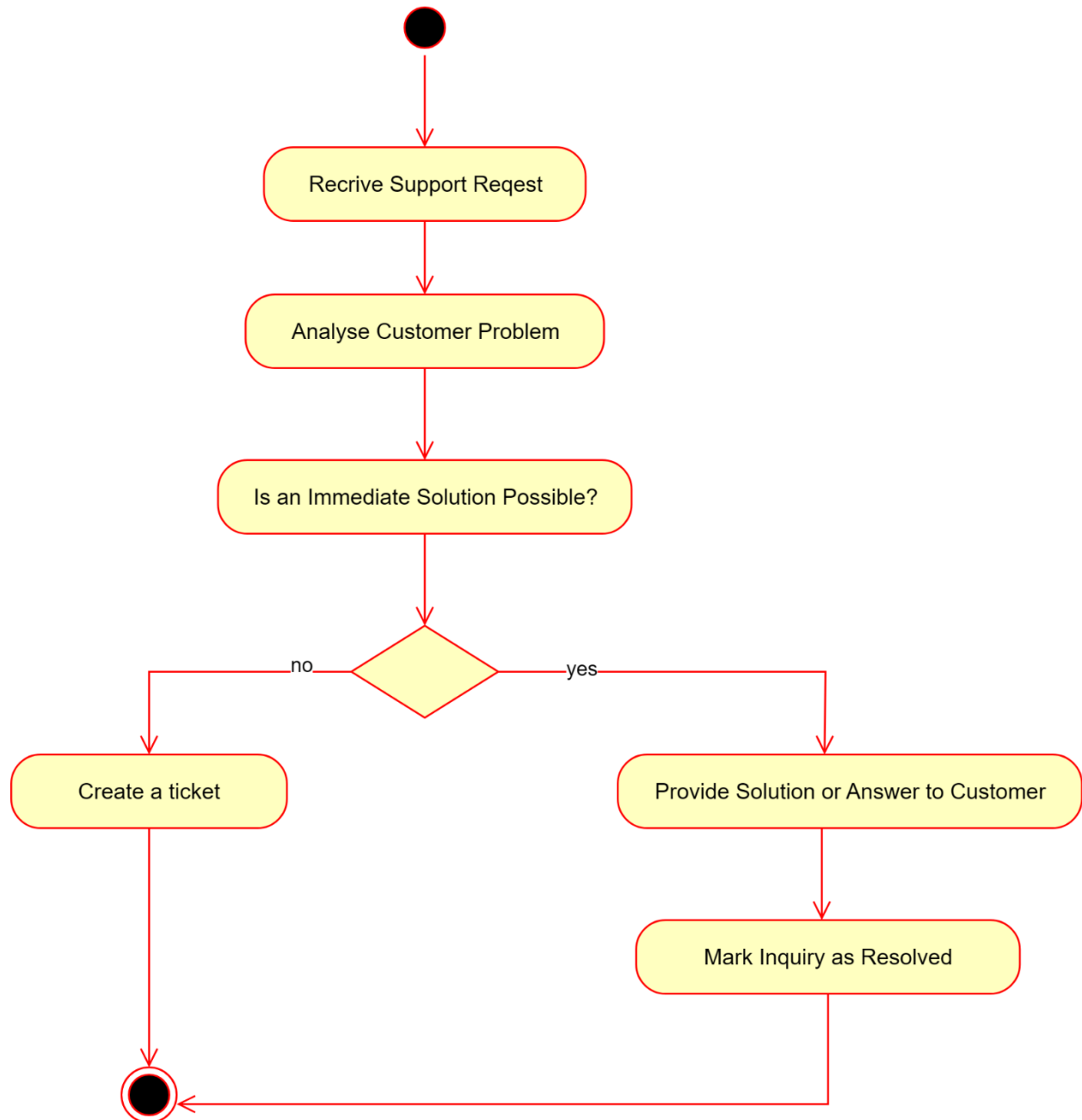
Sanchala K.A.N - IT24100260



Name	Create Advertisements	
Summary	The Managing Director uses the Sales Analytics dashboard to review monthly reports, track performance trends, and identify top-selling music products.	
Preconditions	System authenticates user credentials. User logs into the system.	
Postconditions	The user has exported the sales report.	
Primary Actor(s)	Marketing Executive.	
Trigger	User navigates to the Advertisement Creation tool	
Main Scenario	Step	Action
	1	User defines campaign parameters.
	2	The user uploads assets (Banners, Text, buttons, etc.).
	3	System validates image files and content guidelines.
	4	User previews advertisement appearance.
	5	User sets campaign schedule and budget.
	6	The system saves the advertisement for the approval workflow.
	7	Advertisement is queued for review before activation.
Extensions	Step	Branching Action
	3a	System detects inappropriate content
	3b	Advertisement rejected with specific feedback.

Customer Support and Refund Processing

Thaveesha L. H. K. - IT24100368

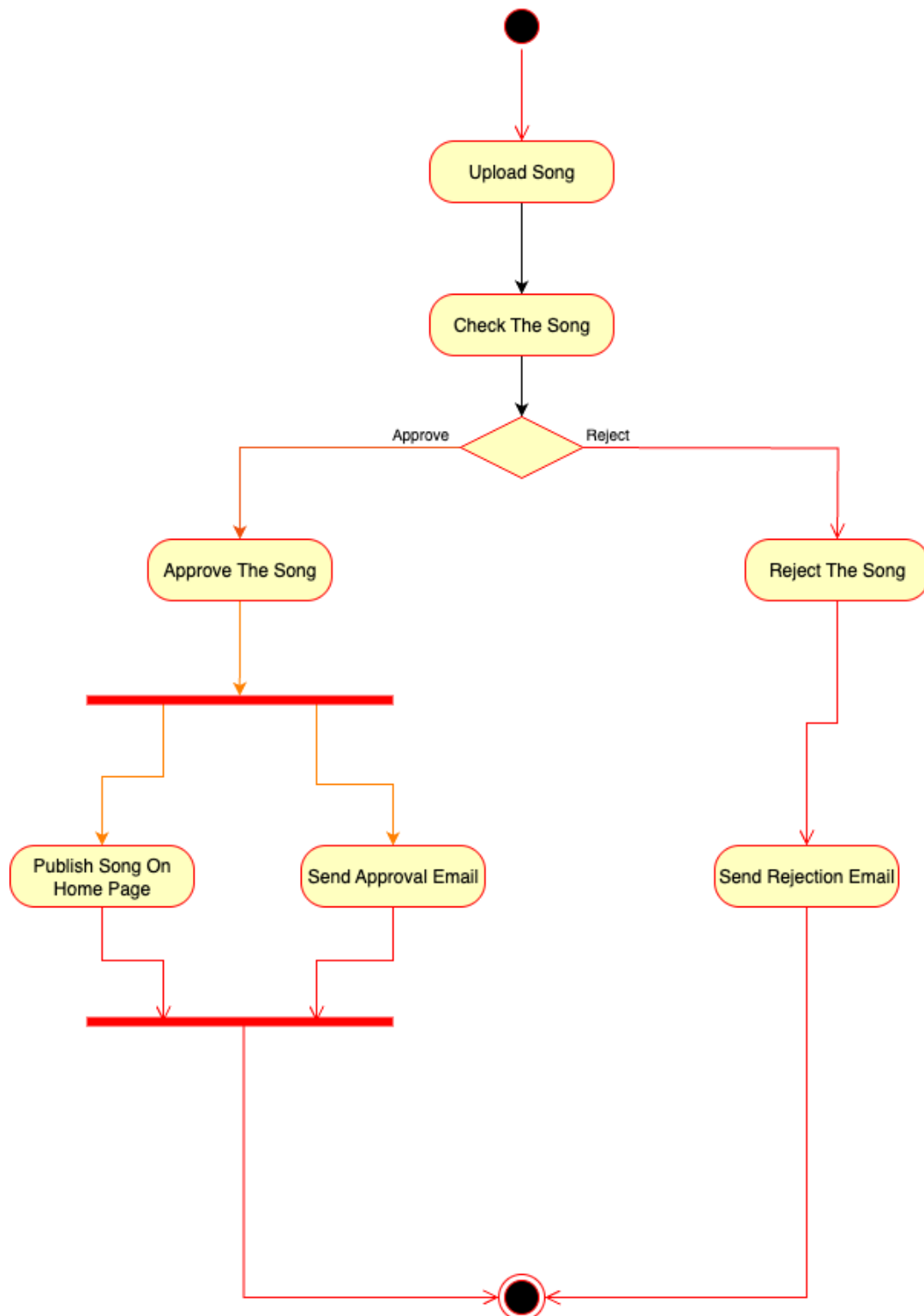


Name	Handle Customer Inquiries
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Summary	Customer Support Officer receives and manages customer questions and problems.	
Preconditions	The Customer Support Officer is logged into the system.	
Postconditions	The customer's inquiry is resolved, or a support ticket is generated for follow-up.	
Primary Actor(s)	Customer Support Officer	
Trigger	A customer submits a question or problem through the website's contact form.	
Main Scenario	Step	Action
	1	User receives a new customer inquiry notification.
	2	User opens the inquiry management dashboard.
	3	The system displays a list of new and open inquiries.
	4	User selects an inquiry to handle.
	5	User reads the customer's question or problem.
	6	User provides a solution or answer to the customer.
	7	User marks the inquiry as "Resolved".
	8	The system sends confirmation to the customer.
	9	The inquiry is closed.
Extensions	Step	Branching Action
	6a	If the officer cannot resolve the issue immediately, they generate a support ticket for later follow-up.

Content Curation and Management

Rajapakshe R. P. P. S. - IT24100356



Name	Content Curation for Uploaded Songs	
Summary	An artist uploads a song, which the content manager reviews. Depending on the review, the song is either approved or published to the music store, and the artist is notified or rejected with the artist notified of the rejection.	
Preconditions	The artist must have an active account in the music store system. The song file and metadata such as title, genre, and so on must be successfully uploaded. The content manager has access to the review dashboard.	
Postconditions	If approved, the song appears on the store homepage and the artist is notified via email. If rejected, the song does not appear in the store and the artist is notified via email.	
Primary Actor(s)	Content Manager	
Trigger	An artist uploads a new song to the platform.	
Main Scenario	Step	Action
	1	System queues the song for review.
	2	Content Manager accesses the review dashboard.
	3	Content Manager analyzes the “Pending” Queue.
	4	Content Manager selects a review Request.
	5	The system displays the song details.
	6	Content Manager evaluates the song.
	7	If the song meets the standards, the Content Manager approves the song.
	8	The system publishes the song on the homepage.
Extensions	Step	Action
	7a	If the song does not meet the standards, the Content Manager rejects the song
	7b	The system sends a rejection email to the artist