

Use Case Analysis:

Use Case Name: Customer Needs DJ		ID: 01	Priority: High
Brief Description: This use case describes how the customer is in need for a DJ.			
Actor: Customer			
Trigger: Customer decides to host/plan a party. Type: <u>External</u> Temporal			
Preconditions: 1. Customer needs a party for a DJ to attend to. 2. Customer has knowledge that there is a private DJ. 3. Customer knows about UMBeats			
Normal Course 1. After choosing UMBeats, the customer will create an account by selecting a username and password. 2. Customer will then receive a confirmation email from UMBeats club. 3. The customer inputs their event details (the what, where, and when). 4. The customers profile and event details are stored by the database.		Information for Steps ← Customer username and password → Customer receives account creation email ← Customer inputs their event details ← Customer profile and event details are saved	
Postconditions: 1. Customer does end up using UMBeats. 2. Customer can use different DJ services. 3. Customer Creates Account.			
Summary:			
Inputs	Source	Outputs	Destination
Customer username and password	Customer	Customer receives account creation email	Customer
Customer inputs their event details	Customer		
Customer profile and event details are saved	UMBeats database		

Use Case Name: Customer takes online Survey and Music personality quiz		ID: 02	Priority: High
Brief Description: This use case describes how the customer will complete an online survey and music personality quiz whose responses are then used to find the best possible DJ for the event			
Actor: Customer			
Trigger: Customer heard about the online survey and music personality quiz. Type: External Temporal			
Preconditions: 1. Customer needs to know what kind of music (s)he wants for the event. 2. The customer must have an event planned. 3. Customer must have access to the internet. 4. Customer must create account on UMBeats.			
Normal Course 1. Customer receives survey and music personality quiz 2. Customer answers questions to the survey and music personality quiz and their responses are recorded electronically 3. The system crosschecks the responses provided and matches it with each DJs style of music 4. The system outputs a list of DJ who will be a good match for the event and also their availability dates		Information for Steps → Music personality quiz and survey ← Music personality quiz and survey responses ← System uses customer responses to match them with appropriate DJ → List of matched DJs and availability dates	
Postconditions: 1. Customer can change DJ if desired 2. Customer now has information in the DB for the system to correctly match the DJ.			
Exceptions: E1: If customer does not agree with the results with the UMBeats selection: 1. The System will then have the customer retake the survey with modified questions to have best fit for the customer. 2. The system will offer other music genre choices that may sound like it will also match the customers desired music genre.			
Summary:			
Inputs	Source	Outputs	Destination
Music personality quiz responses	Customer	Music personality quiz and survey	Customer
System uses responses to match them with appropriate DJ	UMBeats database	List of matched DJs and availability dates	Customer

Use Case Name: Customer makes music suggestions through email system		ID: 03	Priority: High
Brief Description: This use case describes how the customer will makes suggestions through the email system.			
Actor: Customer			
Trigger: Customer takes the surveys and have music suggestions. Type: External Temporal			
Preconditions: 1. Customer completed the online survey and music personality quiz.			
Normal Course 1. Customer makes suggestions based on the survey and music personality quizzes through email. 1.1 Customer logs in to their email account and sends an email. 2. Customer receives a confirmation email back from the system.		Information for Steps ← Customer login info ← Sends suggestions through email → Customer gets confirmation email.	
Postconditions: 1. Customer happy with the suggestions (s)he made. 2. System follow ups with customer about music suggestions.			
Summary:			
Inputs	Source	Outputs	Destination
Customer login info Sends suggestions through email	Customer Customer email server	Customer gets confirmation email	Customer email

Use Case Name: Choosing available dates		ID: 04	Priority: High
Brief Description: This use case describes how the customer will choose their available dates and if it will match the DJs open dates.			
Actor: Customer			
Trigger: Customer is ready to finalize with the DJ that best matches their schedule. Type: External Temporal			
Preconditions: 1. Customer has desired date for the event. 2. Customer has a DJ chosen already. 3. Customer has sufficient amount of time to set up for the event.			
Normal Course 1. Customer logs into account 2. Customer will select from DJs they are interested in. 3. System checks customer selection and DJs schedules to avoid double booking and outputs a success message 4. Customer will choose the date that matches with the DJ and submits the date 5. System finalizes the date for the customer		Information for Steps ← Customer login information ← Customer DJ Preference → Confirms customers DJ selection ← Selects DJs availability date → Finalizes the date	
Postconditions: 1. Customer can change DJ at anytime. 2. Customer can change the date as long as both dates match for availability. 3. Customer is allowed access to view different DJs.			
Exceptions: E1: DJ is already reserved for that date: 1. The System will notify the customer and redirect the customer to another date and check for availability. 2. System will ask for a custom date if none of the dates match with the customers.			
Summary:			
Inputs	Source	Outputs	Destination
Customer login information	UMBeats DB	Confirms customers DJ selection	UMBeats website
Customer DJ preference	UMBeats DB	Finalizes the date	Customer DB
Selects DJs availability date	UMBeats DB		

Use Case Name: Finalize Purchase		ID: 05	Priority: High
Brief Description: This use case describes how the customer will finalize their event after choosing the DJ and the date and paying.			
Actor: Customer			
Trigger: Customer is ready to finalize their event by paying UMBeats. Type: <u>External</u> Temporal			
Preconditions: 1. Customer is paying with one of the accepted payment methods.. 2. The customer is aware of the cancellation policy.			
Normal Course		Information for Steps	
1. Customer logs into their account		← Customer Login	
2. Systems shows customer the details of their event and a breakdown of the charges (customer expense report)		→ Customer Expense Report	
3. Customer completes the payment by card, cash, or check..		← Credit card information/ Money from customer	
4. After successful payment the system will output a receipt for the transaction.		→ Receipt for transaction	
5. System will send 24 hour reminder notification prior to the event.		→ Sends 24 hour notification	
Postconditions:			
1. Customer can still alter date if need be.			
2. Customer can rate the services of the DJ.			
3. Can Add or modify the DJs for the event.			
Summary:			
Inputs	Source	Outputs	Destination
Customer login Information	Customer	Customer Expense Report	Customer
Credit card information/ Money from customer	Customer	Receipt for transaction	Customer
		Sends 24 hour notification	Customer and DJs