

Level 0 Diagram -

Processes:

1. Customer needs DJ - This process defines the steps a customer takes to create a profile with UMBEats.
2. User takes online survey - This process displays the act of a customer taking our music personality quiz to match closely with a DJ.
3. Customer makes suggestion - This process displays how the customer suggest changes to their matched DJ.
4. Choosing available dates - This process takes information from the customers event and the DJs availability to find a possible match between the two.
5. Finalize payment - This process describes the process of charging and receiving payment from the customer for the event.

Data stores:

- DS1 Customer database - This data store contains information about the customer such as their usernames and passwords alongside their payment information. This information is used to bill the customers, create receipts, and contact the customers when needed.
- DS2 DJ database - This data store contains information about our DJs. It contains their availability and music specialites. We use this data store to match possible DJs to customer events.
- DS3 Survey - This data store contains information about music preference and matching criteria.

Data Flows

Inputs:

- Customer username, password and payment information name and email are inputs for the customer needs DJ process.
- The customer provides responses to the survey and music quiz which are then sent process 1.
- The customer inputs their music suggestions to process 3.
- The created customer profile is sent to DS1 and used in further processes.
- The matching criteria takes responses from process 2 and sends the information to DS3.
- The customers payment information in DS1 is pulled by the finalize purchase process.
- A successful or unsuccessful payment notification is sent to the UMBEats club.
- The customers login information is pulled by process 4.
- The finalized date is sent to DS2.
- The finalized DJ is sent to DS2 so he can be taken off the available to host events list.

Outputs:

- Receipt for transaction is sent to customer from finalize purchase process.
- Customer expense report is sent to customer from finalize purchase process.
- Process 1 outputs the survey results to DS3 so DJs have access to music responses by the customer.
- The preferred customer DJ is pulled from DS1 and used to finish process 4.
- Customer gets a event confirmation email from process 3.
- The customer receives a 24 hour notification from process 5.
- Customers receive a list of available DJs and the dates they can perform from process 2.
- The completed survey is pulled from DS3 by process 3.
- The music preference responses stored in DS3 is pulled by process 2.
- Customer login information stored in DS1 is pulled by process 3.