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| --- | --- | --- | --- | --- |
| Class Name: Account | ID: 1 | | | Type: Domain |
| Description: A hub that stores all data and preferences of a certain user. | | | | Associated Use Cases:  Create Account Manage Account  Subscription Account |
| Responsibilities | | Collaborators | | |
| Correctly store user data | | System | | |
| Update user data when requested | | System, User | | |
| Enable account type to be modified or deleted | | System | | |
|  | |  | | |
| Attributes | | | Operations | |
| Customer Name | | | Display(CustomerName), Edit(CustomeName) | |
| Customer Email | | | Display(CustomerMail) | |
| Account Type | | | Display(CustomerAccountType), Edit(CustomerAccountType) | |
| Payment Information | | | Edit(PaymentInformation) | |
|  | | |  | |
| Relationships | | |  | |
| Generalisation (a-kind-of) | | | Storage | |
| Aggregation (has-parts) | | | Download history | |
| Other Associations | | | Admin | |
| Composition | | | Download a Song | |
| Dependency | | |  | |

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| --- | --- | --- | --- | --- |
| Class Name: Download Song | ID: 2 | | | Type: Domain |
| Description: Takes payment (if needed) and transfers song data to both the customer’s account and local system. | | | | Associated Use Cases:  Add to Basket  Manage Account |
| Responsibilities | | Collaborators | | |
| Transfer data from system to user machine | | System | | |
| Pause/cancel current download if requested | | User | | |
| Update account with correct download history | | System | | |
|  | |  | | |
| Attributes | | | Operations | |
| Song Name | | | Display(SongName), | |
| Song File Size | | | Display(SongFIleSize) | |
| Song Length | | | Display(SongLength) | |
| Payment Information | | | Edit(PaymentInformation), Confirm(PaymentInformation) | |
|  | | |  | |
| Relationships | | |  | |
| Generalisation (a-kind-of) | | |  | |
| Aggregation (has-parts) | | | Download history | |
| Other Associations | | | Admin | |
| Composition | | |  | |
| Dependency | | |  | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Class Name: Search for Music | ID: 3 | | | Type: Domain |
| Description: Parses through digital archive using user provided information to locate a certain item. | | | | Associated Use Cases:  Download Song Add to Basket |
| Responsibilities | | Collaborators | | |
| Input user query into search request | | User, System | | |
| Locate item using search parameters | | System | | |
| Display result(s) | | System | | |
|  | |  | | |
| Attributes | | | Operations | |
| User Input | | | Display(UserInput), Search(UserInput) | |
| Song Name | | | Search(SongName), Display(SongName) | |
|  | | |  | |
| Relationships | | |  | |
| Generalisation (a-kind-of) | | | Search Engine | |
| Aggregation (has-parts) | | | System Song Library | |
| Other Associations | | | Admin | |
| Composition | | |  | |
| Dependency | | |  | |