

Use Case Name: Purchase Tune		ID: UC -2	Priority: High
Actor: Tune Buyer			
Description: This use case describes the Tune Buyer's purchase and download of selected tune(s)			
Trigger: Tune Shopper has placed one or more tunes in shopping cart and is ready to check-out			
Type: <input checked="" type="checkbox"/> External <input type="checkbox"/> Temporal			
Preconditions: <ul style="list-style-type: none"><li>1. One or more tunes are in shopping cart</li><li>2. Tune Buyer has specified readiness to check out and buy tune(s) in cart</li></ul>			
Normal Course: 1.0 Tune Buyer confirms intent to buy, supplies payment, and downloads tunes <ul style="list-style-type: none"><li>1. System displays shopping cart contents with prices of tunes included.</li><li>2. Tune Buyer specifies intention to purchase tunes in cart</li><li>3. System collects payment information or account information</li><li>4. System obtains payment authorization</li><li>5. Tune Buyer confirms payment transaction</li><li>6. System processes payment</li><li>7. System confirms payment acceptance</li><li>8. System releases tunes in cart for download</li><li>9. Tune Buyer selects download process for each tune; as each tune is successfully downloaded the system removes it from cart.</li></ul>		Information for Steps: <ul style="list-style-type: none"><li>Shopping cart contents</li><li>Purchase authorization</li><li>Payment information</li><li>Payment authorization</li><li>Payment confirmation</li><li>Tune Sales details</li><li>Payment acceptance</li></ul>	
Alternative courses: 1.1 Tune buyer has established account (branch at step 3) <ul style="list-style-type: none"><li>1. Tune buyer specifies username and password</li><li>2. System retrieves account information including stored payment information</li><li>3. System verifies the buyer's intention to use stored payment information or modify stored payment information</li><li>4. Return to Normal Course step 4.</li></ul>		<ul style="list-style-type: none"><li>Username/password</li><li>Account database</li><li>Account modification</li></ul>	
Postconditions: <ul style="list-style-type: none"><li>1. Shopping cart is empty</li><li>2. Tune purchase is recorded</li><li>3. Tune sales transaction is recorded</li></ul>			
Exceptions: E1: Payment is not authorized (occurs at step 4) <ul style="list-style-type: none"><li>1. System displays message that payment is not accepted.</li><li>2. System asks Tune buyer to enter new payment information or exit</li><li>3. System terminates use case if tune buyers specifies exit; otherwise return to Normal Course step 4</li></ul> E2: Tune buyer cancels payment (occurs at step 5) <ul style="list-style-type: none"><li>1. Tune buyer cancels payment transaction</li><li>2. System terminates use case</li></ul>			
Summary			
Inputs	Source	Outputs	Destination
Shopping cart contents	Shopping cart database	Tune Sale details	Tune Sales database
Purchase authorization	Tune Buyer	Account modification	Account database
Payment Information	Tune Buyer		
Payment authorization	Payment Clearinghouse		
Payment confirmation	Tune Buyer		

FIGURE 4-14 (continued)