

## Finance Manager Application Use Case

<b>Use Case Name:</b> Expense Management	<b>ID:</b> UC-1	<b>Priority:</b> High
<b>Actor:</b> A user of Unibank mobile application		
<b>Description:</b> A customer of Unibank, namely a person who owns a credit/debit card of Unibank and is additionally a user of Unibank's mobile banking application can make use of a Finance Manager service provided by the bank. A user can simply divide his/her expenses into preferred categories. Thus, the person can manage his/her spending and observe the statistics.		
<b>Trigger:</b> A Unibank mobile banking application user wants to spend his/her money more wisely.		
<b>Type:</b> Temporal		
<b>Preconditions:</b> <ol style="list-style-type: none"> <li>1. The user has an understanding of where he/she usually spends money every month.</li> <li>2. The user defined what type of expenses he/she wants to make and in which proportions in accordance to his/her account balance.</li> <li>3. The system has access to the user's basic information that he/she provided to Unibank's mobile banking application.</li> </ol>		
<b>Normal Course:</b> 1.0 Set amounts to categories chosen and/or added manually <ol style="list-style-type: none"> <li>1. After entering the mobile banking application and opening the Finance Manager service, press on "Categorize" button.</li> <li>2. Choose the categories you want to spend money on.</li> <li>3. Allocate some numeric values out of the balance amount to chosen categories.</li> <li>4. The system checks for input errors (if the total money allocated to specific categories exceeds the total balance amount).</li> <li>5. The system checks the categories of all further payments made by card and manages them into categories.</li> <li>6. The system specifies how much money was spent and is left in a particular category.</li> <li>7. The system sends a notification to the user in case if he/she almost reached the limit in any category.</li> </ol>	<b>Information for Steps:</b> <div> <div>Application start</div> <div>Choice of categories</div> <div>Money allocation</div> <div>Check for errors</div> <div>Allocation of spending</div> <div>Calculating money spent and left in categories</div> <div>Notifying the user</div> </div>	
<b>Alternative Courses:</b> 1.1 The user enters manually a transaction made in any of categories by cash. <ol style="list-style-type: none"> <li>1. The system creates an input log for the customer (it specifies money inflow to the account).</li> </ol>	<div> <div>Add some money to the account</div> </div>	

<div>2. The system then creates another transaction specifying the payment made in the amount equal to the inflow in a particular category (that a user has manually specified).</div> <div>3. The amount that a person can further spend on a particular category decreases by the amount equal to the transaction.</div> <div>4. The system sends notification to the user in case if he/she almost reached the limit in any category.</div>	<div>Money allocation</div> <div>Less money in a category left</div> <div>Notifying the user</div>		
<div>Postconditions:</div> <div>1. The user has his/her money managed.</div> <div>2. A statistical report is being made by the system for a user.</div>			
<div>Exceptions:</div> <div>E2a. The user may choose default categories proposed by the application.</div> <div>E3a. The user may not pic a particular amount but a percentage rate of his/her total balance.</div> <div>E4a. The user may specify if he/she has an additional monthly income which will be summed up with Unibank account’s balance by the Finance Manager.</div>			
Summary Inputs	Source	Outputs	Destination
Type of category	User	Allocation of money	System
Account balance	User	Monthly statistics	User
Division of money	User	Notifications for user	User
Error checking	System		