



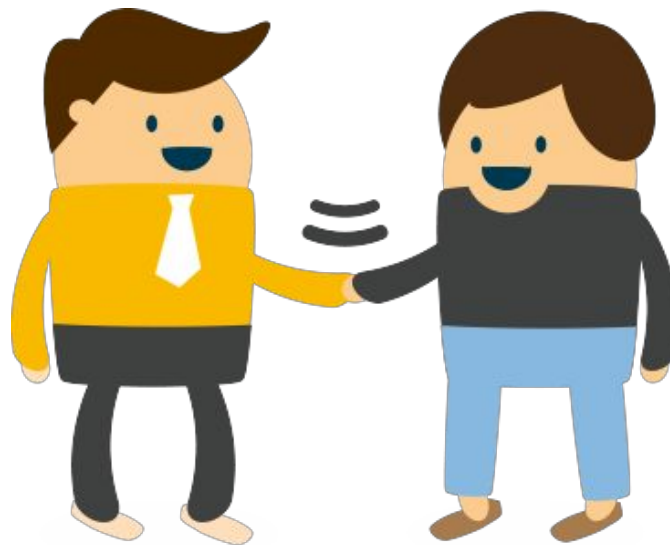
FACULDADE DE  
CIÊNCIAS E TECNOLOGIA  
UNIVERSIDADE NOVA DE LISBOA

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# ApartMates

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## Fase 2: Users and Task Analysis



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## Problem

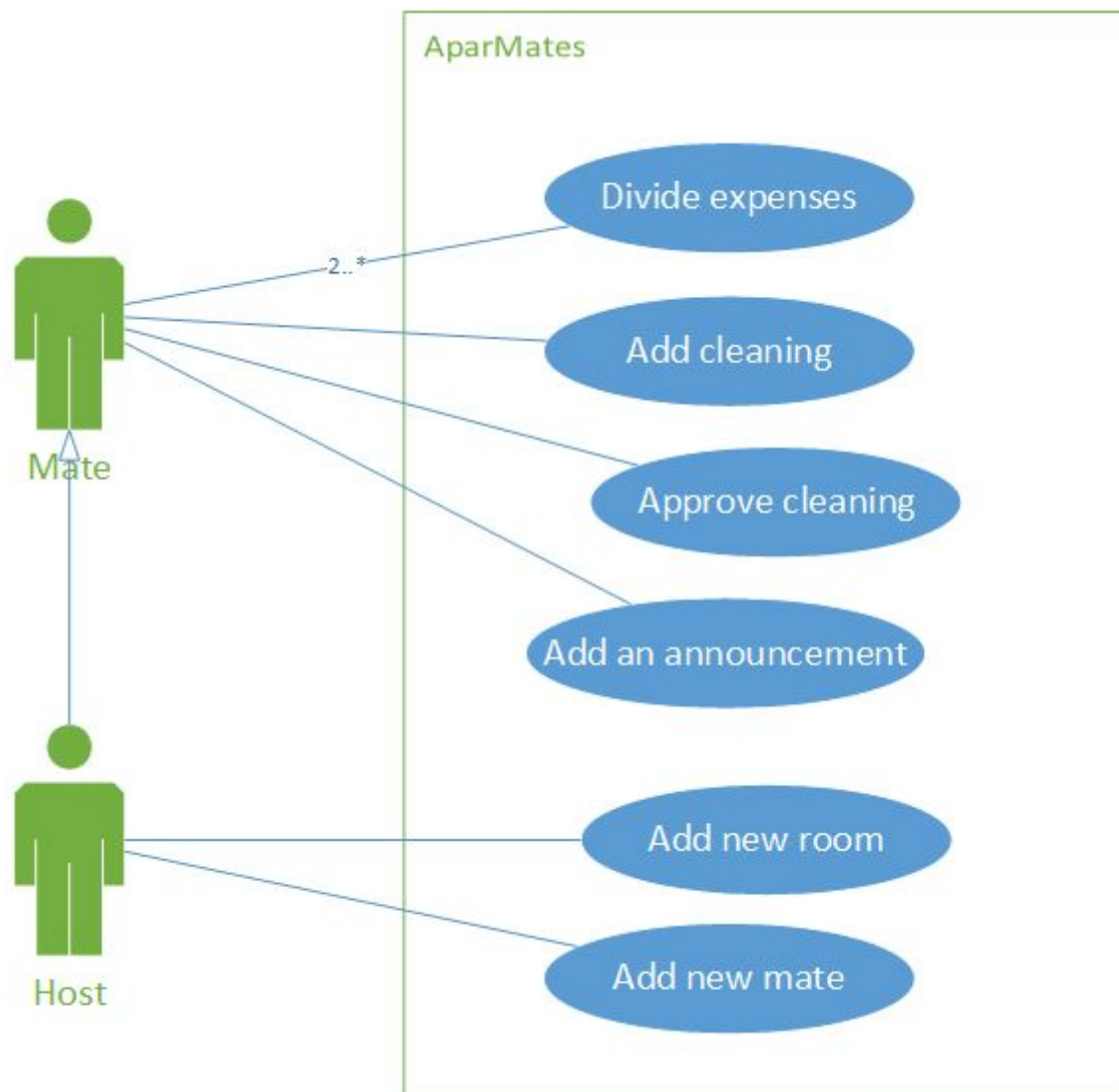
Dividing common expenses and scheduling house duties between flatmates.

## Users

**Mate** - a main user. It represents the person that live in the apartment.

**Host** - a user who created the apartment in system. He is the only one who can invite other people who live in the same apartment.

## Tasks



ID:	AM_01		
Name:		Divide expenses	
Main actors:		Mate	
Description:			
Managing new shared expenses			
Preconditions:			
Actor paid common expense by his own money			
Postconditions:			
All debts are repaid			
Main scenario:			
<div>1. Mate choose <i>add new expense</i> option from main menu</div> <div>2. System shows form to create new expense</div> <div>3. Mate fills in all required information about the expense and choose which Mates should participate</div> <div>4. System updates account balance for each user and notify about success</div>			
Exceptions:			
-			

ID:	AM_02		
Name:	Add cleaning		
Main actors:	Mates		
Description:			
User reports completion of his cleaning duty			
Preconditions:			
1. User has an assigned cleaning duty 2. User has finished cleaning			
Postconditions:			
1. User has completed his duty			
Main scenario:			
1. Mate choose one of his duties from <i>My duties</i> tab 2. User change the status to complete 3. System change status to <i>pending</i> and notify other Mates to approve cleaning 4. After confirmation of the cleaning duty status is changed to <i>complete</i>			
Alternative scenarios and extensions:			

<ol style="list-style-type: none"> <li>1. Other users are not approving cleaning</li> <li>2. System notifies user about needed correction</li> </ol>
<b>Exceptions:</b>
Time for approval have passed - system automatically approves

ID:	AM_03		
Name:	Approve cleaning		
Main actors:	User		
Description:			
User can approve work of another flatmate!			
Preconditions:			
Some flatmate has completed his duty, so User can approve, that it was done correctly.			
Postconditions:			
The cleaning is approved by the User.			
Main scenario:			
<div><div>1.</div><div>The users chooses option <i>Approve duty</i></div></div> <div><div>2.</div><div>System shows all completed but not approved duties.</div></div> <div><div>3.</div><div>The user choose the duty that he wants to approve.</div></div> <div><div>4.</div><div>System ask about confirmation.</div></div> <div><div>5.</div><div>The user confirms his decision.</div></div> <div><div>6.</div><div>End of AM_03</div></div>			
Alternative scenarios and extensions:			
<div><div>4.</div><div>User wants to add additional remarks</div><div><div>4A.</div><div>User provides additional remarks</div></div><div><div>4B.</div><div>Skip to step 5.</div></div></div>			
Exceptions:			
<div><div>2.</div><div>There is no duties to show.</div><div><div>2A.</div><div>System shows information ‘There is nothing to approve’</div></div><div><div>2B.</div><div>End of AM_03</div></div></div>			

ID:	AM_04		
Name:		Add an announcement	
Main actors:		User	
Description:			
User adds an announcement that is visible for all flatmates.			

<b>Preconditions:</b>	
-	
<b>Postconditions:</b>	
All flatmates knows about announcement	
<b>Main scenario:</b>	
<ol style="list-style-type: none"> <li>1. User chooses option <i>Announce and information</i></li> <li>2. System shows provides form to introduce new announcement</li> <li>3. User puts announcement content and confirms.</li> <li>4. System asks who should see the announcement.</li> <li>5. User chooses recipients and confirms.</li> <li>6. System shows a confirmation that information was announced.</li> <li>7. System sends notification to all recipients.</li> <li>8. End of AM_04</li> </ol>	
<b>Exceptions:</b>	
<ol style="list-style-type: none"> <li>5. User didn't choose any flatmates. <ol style="list-style-type: none"> <li>5A. System informs that choosing at least one flatmate is mandatory.</li> <li>5B. Return to step 5.</li> </ol> </li> </ol>	

ID:	AM_05		
Name:		Add new room	
Main actors:		Host	
Description:			
Host can add new room to current apartment.			
Preconditions:			
Apartment has $n$ rooms.			
Postconditions:			
Apartment has $n+1$ rooms			
Main scenario:			
1. Host open <i>preferences</i> of existing apartment.			
2. Systems shows all information about current apartment.			
3. Host fill in <i>add new room</i> form with required information.			
4. Informations about apartment are updated.			
Exceptions:			
Room with the same name already exist			

ID:	AM_06		
Name:	Add new mate		
Main actors:	Host		
Description:	Host can add existing user to existing apartment		
Preconditions:	Apartment has $n$ occupants.		
Postconditions:	Apartment has $n+1$ occupants.		
Main scenario:	<ol style="list-style-type: none"> <li>1. Host open <i>preferences</i> of existing apartment.</li> <li>2. Systems shows all information about current apartment.</li> <li>3. Host fill in <i>add new user</i> form with required information.</li> <li>4. Informations about apartment are updated.</li> </ol>		
Exceptions:	<p>User does not exist in system.</p> <p>User is already an apartment occupant.</p>		

## Task scenarios

- Monika is upset because she really like don't like living in dirty house. She would like to set house duties so they are always visible for everyone. Every week someone else should clean bathroom, kitchen or do shopping.
- As Monika said, it is not always like that the cleaning is done properly. Sometimes her flatmates do it without putting enough effort. She would like to require from them more involvement. She want to approve fulfilling the house duties so everyone will know if and why someone feels disappointed with his or her work.
- Jose just bought toilet paper, detergents to clean the bathroom and a milk for Joao. He wants to divide the cost in a fast way, so he ads new expenses to the application - marking paper and detergents as common and milk as only for Joao. Application automatically sum up all debts for each user shows how much he or she needs to give back to another flat mate.
- Jose was living in Lisbon with his friend Marco. After few months Marco's sister decided also to move to Lisbon and share room with her brother, Marco. Jose who is a flat administrator can open apartment preferences and add Marco's sister as a new flatmate. After Marco's sister confirmation about joining new flat, all of the common expenses will be divided for 3 people.