

## Simple Use Case – Individual activity

Write a user story for your chosen simple use case.

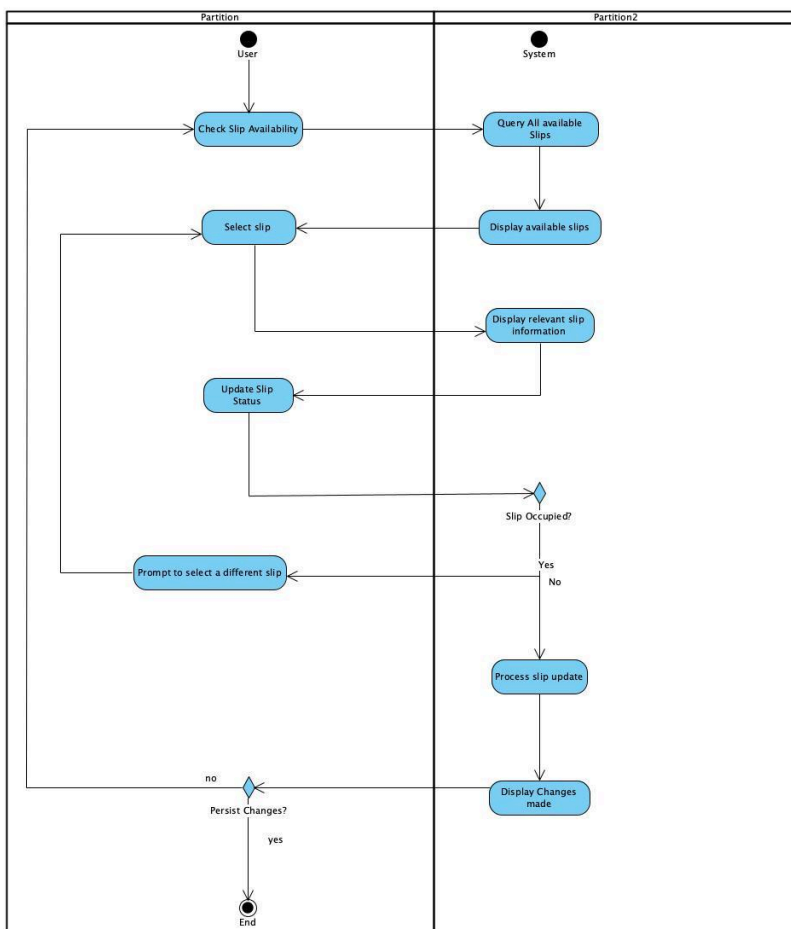
### User story:

As a marina staff member (Alex or another authorized employee),  
Following a successful customer transaction, I want to be able to update the status of a boat slip,  
so that I can manage slip availability efficiently and ensure accurate billing for all of my clients.

Using Visual Paradigm, create an activity diagram for your simple use case selection, documenting the valid pathways through your use case. Sometimes, having a picture to work from, helps us focus our efforts. Using the prototyping tool of your choice, create a form design for your feature and include as a picture in your activity diagram.

Copy all of your work into a single word document and submit along with all supporting files.

**(See activity prototype in the next page)**



The form is titled 'Slip Maintainer' and 'Updating status of slip #012'. It contains several input fields: 'Status', 'Boat type', 'Utilities', 'Boat length', and 'Price/h'. At the bottom, there are two buttons: 'Cancel' and 'Update Slip Status'.

## Boat slip update process:

Slip Mantainer

Updating status of slip #012

Status

Boat type

Utilities

Boat length

Price/h

Cancel

Update Slip Status

## Part2:

### Simple case use case Lab part 2

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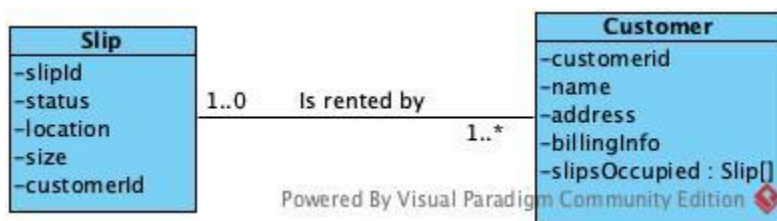
**ID:** 137648226

Use Case Descriptions

Use Case Name	Update Boat Slip Status
Triggering Event	A Successful customer transaction
Brief Description	After a successful slip transaction made by a customer, The staff members should update the state of one of the boat slips reserved by the customer to ensure control over the available slip inventory.
Actors	Marina Staff (Alex or other authorized employee)
Related Use Cases	N/A
Preconditions	<ul style="list-style-type: none"><li>- Marina staff is logged and authorized</li><li>- A successful customer transaction was performed</li><li>- The staff possesses relevant customer information</li></ul>

	<ul style="list-style-type: none"><li>- There must be available slips in the system</li></ul>		
Post Conditions	<ul style="list-style-type: none"><li>- The boat slip status is updated on the system</li><li>- Slip availability and slip inventory is adjusted</li></ul>		
Flow of activities	Actor		System
	1.	checks slip availability	Queries all available slips and displays results
	2.	selects a slip to update	Displays relevant slip information
	3.	Updates the slip status	Processes the update and displays changes made
	4.		Confirms if slip is occupied and prompts for further action if necessary
Exception Conditions	<ul style="list-style-type: none"><li>- The slip is already occupied and system prompts for user to choose a different one</li><li>- User chooses to not persist any changes and system prompts for confirmation</li></ul>		

## Class Diagram:



## Sequence Diagram:

