

Professional Development Award in
Software Development (Level 8)



CodeClan
Bridging the digital skills gap

PDA Guidance: Part 1

Focus of Guidance

Covering Material Specifically Needed For The PDA : Project 1

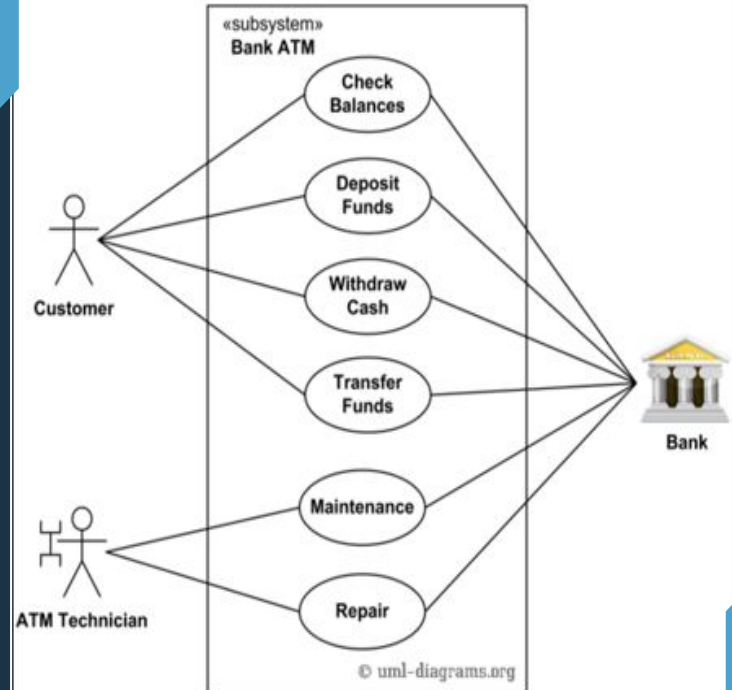
- Google is not your friend when it comes to the PDA
- Standardized approach = pass/fail criteria
- There will be another session later in the course about other pieces of evidence

Use Case Diagrams

Use case diagrams give an overview of the usage requirements for a system.

Use case diagrams depict:

- Use cases (actions)
- Actors
- Associations
- System boundary boxes (optional)

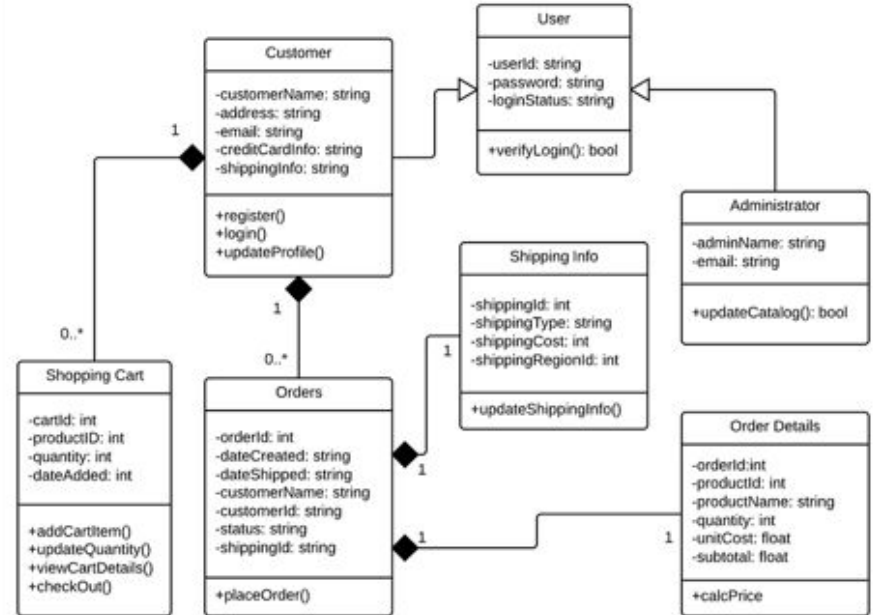


Class Diagrams

Class diagrams describe the structure of a system by showing the system's classes, their attributes, methods and the relationships.

Class diagrams should include:

- Name of each class
- Attributes of each class
- Type of each attribute
- Methods
- Relationships

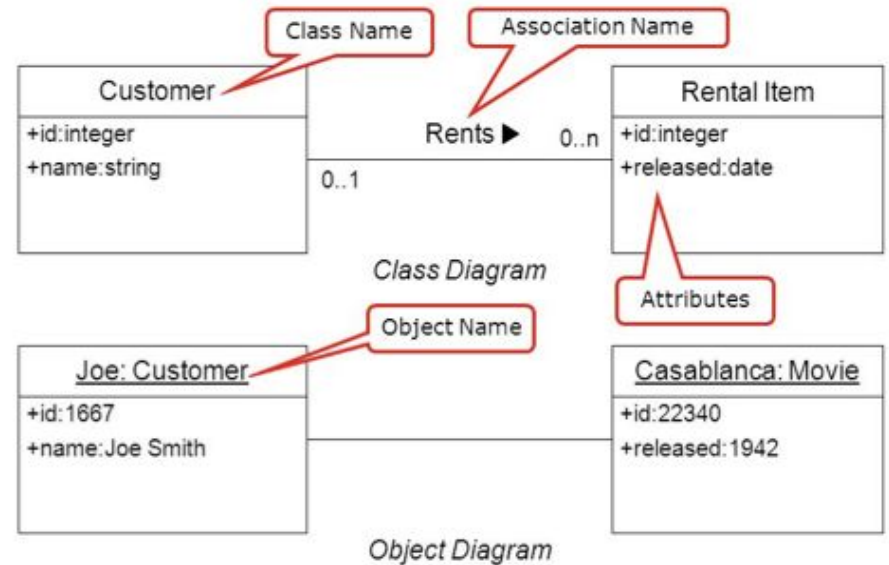


Object Diagrams_

Object diagrams provide examples or act as test cases for class diagrams.

Object diagrams should include:

- Name of the class
- Attributes of each class
- Type of each attribute replaced with an example
- Relationships

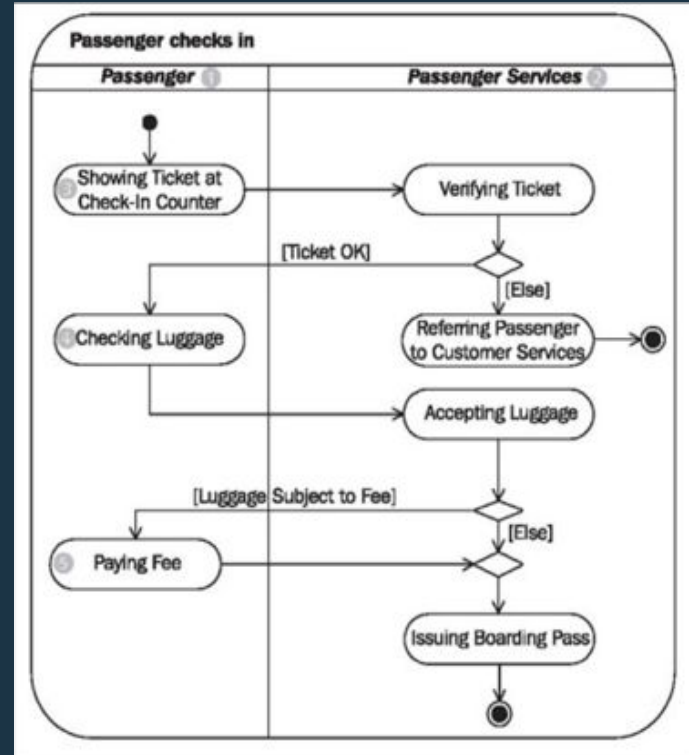


Activity Diagrams

An Activity Diagram is a flowchart to represent the flow from one step in an activity to another.

Activity diagrams should include:

- lines with arrows
- rounded rectangles (actions)
- diamonds (decisions)
- black circle (start of the workflow)
- encircled black circle (the end)



Implementation Constraints Plan

Implementation constraints are things that might constrain the project and stop it from reaching its full potential.

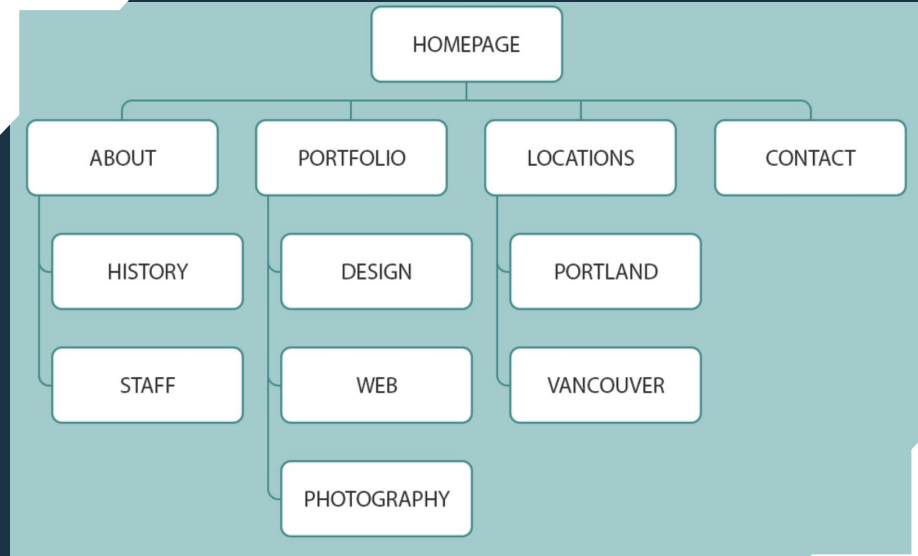
Constraint Category	Implementation Constraint	Solution
Hardware and Software Platforms	What could be a constraint on the product? How it could be a constraint of the product? Why is it a problem?	How do we fix this issue?
Performance Requirements		
Persistent Storage and Transactions		
Usability		
Budgets		
Time Limitations		

User Sitemaps

A sitemap is a page on your website that links to important areas and content. Sitemaps help your visitors explore your website.

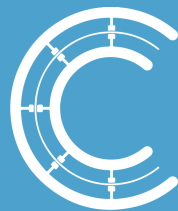
User sitemaps should:

- show the important parts of your site.
- make finding information on your site easier.
- break it up into more than one page if there are too many links.



Remember!

- **DO NOT GOOGLE PDA DIAGRAMS**
- **Use the resources provided**
- **Keep on top of the PDA as you go through the course**



Thanks_