



CodeClan
Bridging the digital skills gap

PDA Guidance: Part 1

Focus of Guidance

Covering Material Specifically Needed For The PDA : Weeks 4 – 5

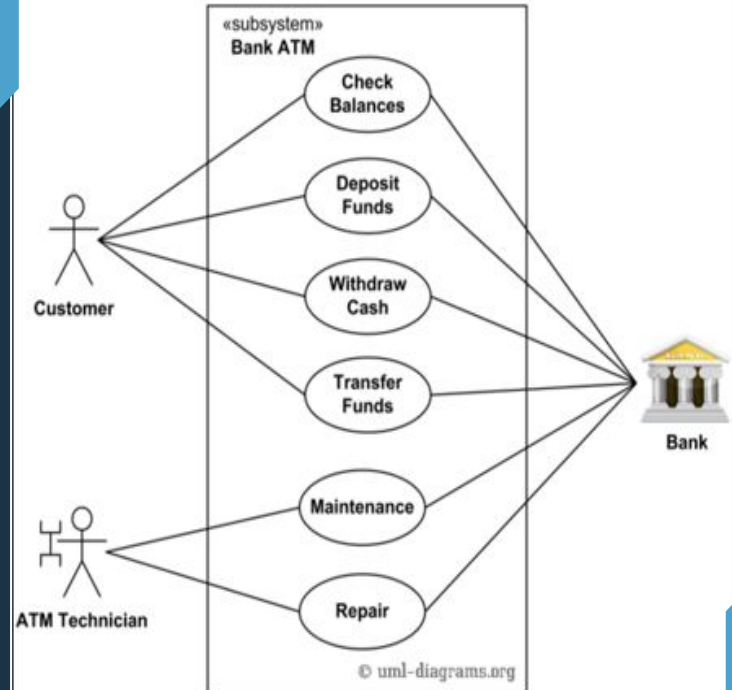
- Google is not your friend when it comes to the PDA
- Standardized approach = pass/fail criteria
- Copy of this guidance in repo
- There will be another session later in the course about other pieces of evidence

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)

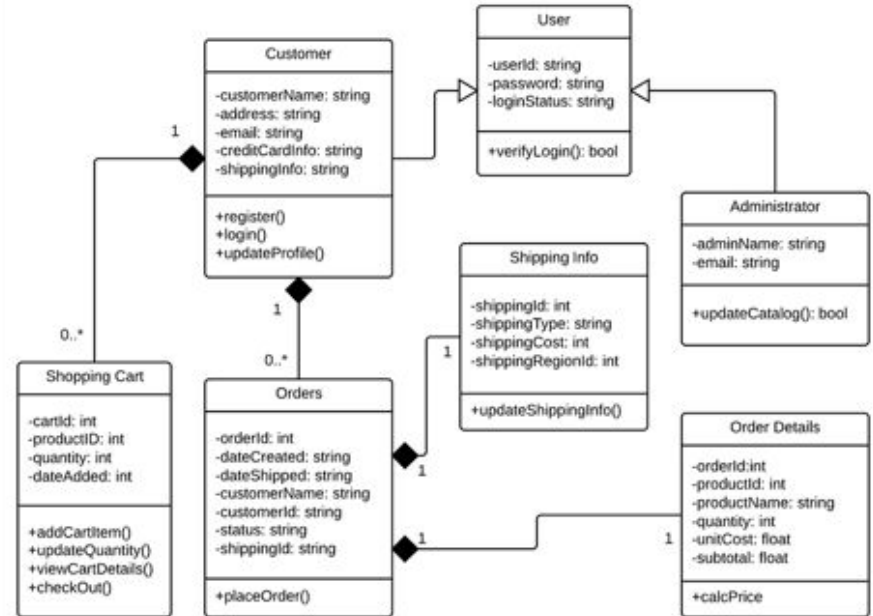


Class Diagrams

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

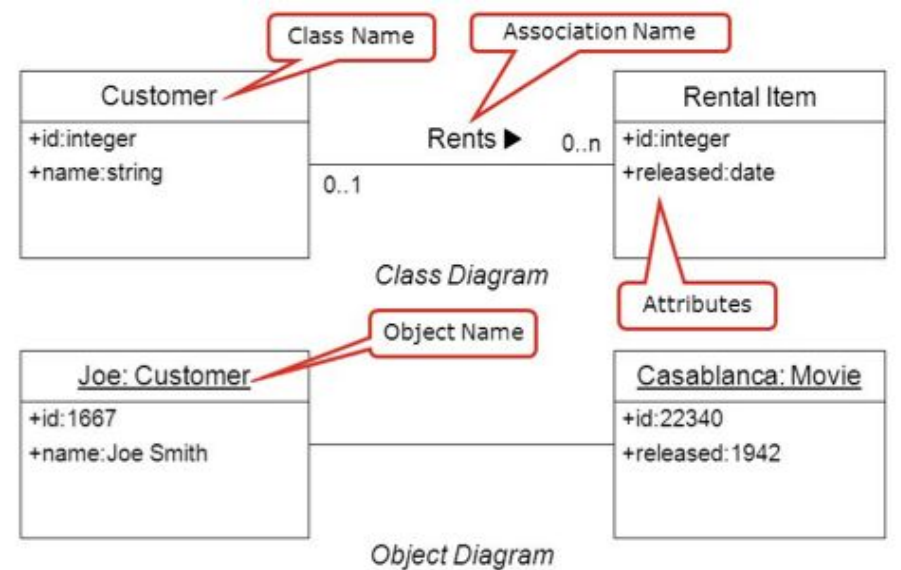


Object Diagrams_

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

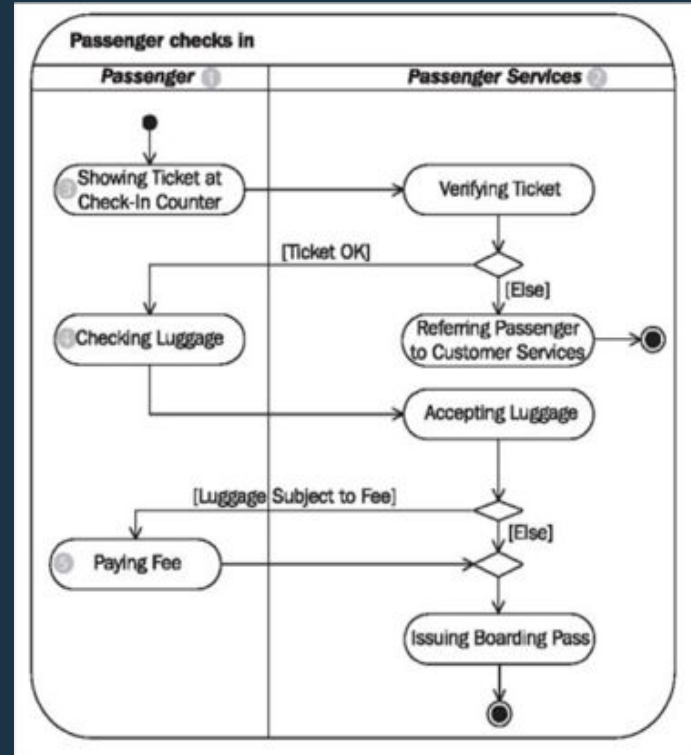


Activity Diagrams

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.

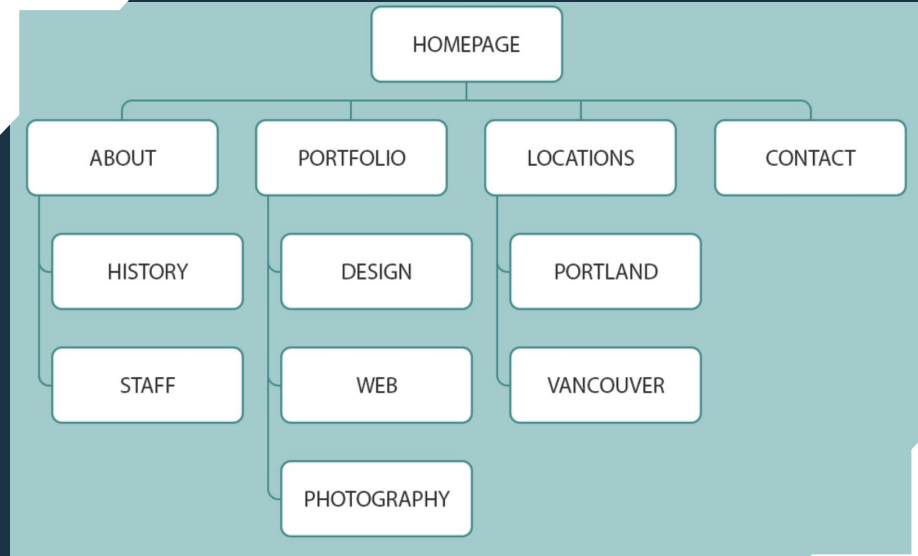
Constraint Category	Implementation Constraint	Solution
Hardware and Software Platforms	What could be a constraint on the product? How it could be a constraint of the product? Why is it a problem?	How do we fix this issue?
Performance Requirements		
Persistent Storage and Transactions		
Usability		
Budgets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

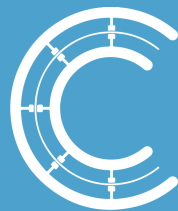
User sitemaps should:

- 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_