



UML Activity Diagrams Workshop



UML Activity Diagrams

- **Activity diagrams** are useful for describing software design processes.
- Vocabulary
 - Activity, action,
 - Object node, activity edge,
 - Initial node, activity final node, flow final node,
 - Decision node, merge node, guard,
 - Fork node, join node,
 - Activity parameter...

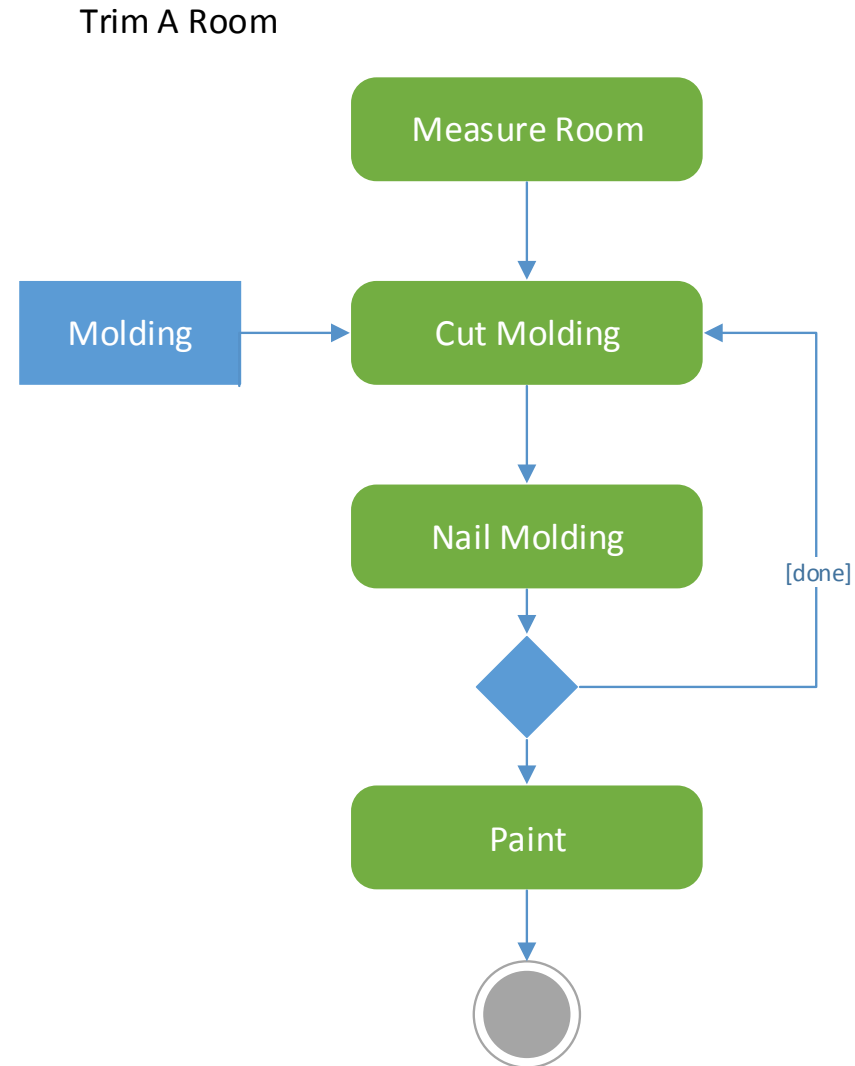


Agenda

- Answer questions first individually, and then evaluate the answers in teams of two.
- Each person should maintain a report
- Check your answers with the professor.
- If you do not finish all exercises during the class, you should finish at home.

Find the Errors

- Identify three mistakes in the activity diagram Trim A Room





Finding Book in Library

- Draw an activity diagram modeling the process of finding a book in the digital library and checking it out.
 - Include the guards in your diagram.



Web Browser

- Draw an activity diagram modeling what happens when a Web browser starts up (cookies, loads its home page, tabs etc).
 - Include object nodes in your diagram.

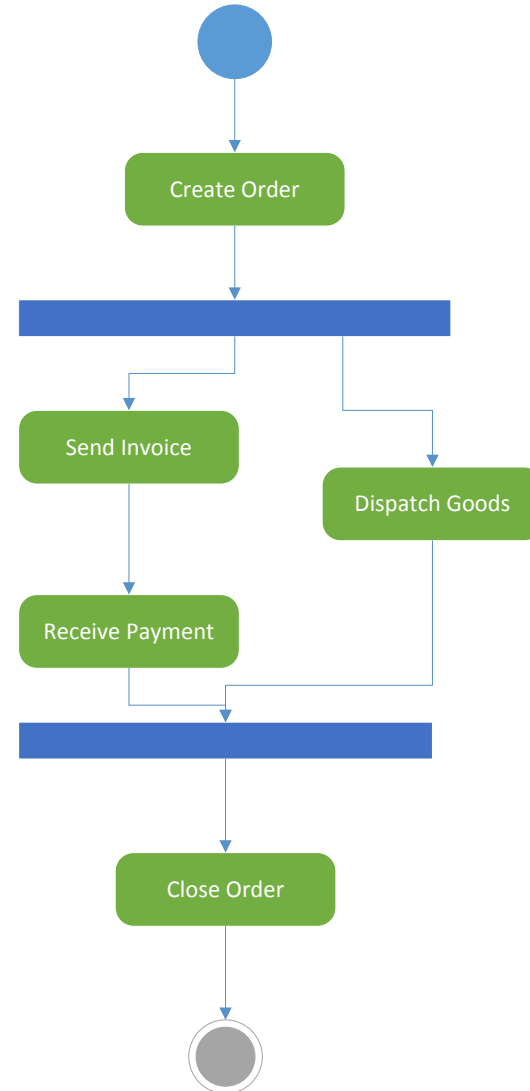


Applying for University

- Draw an activity diagram modeling the process you went through to apply for university.
 - Your diagram should have concurrent flows (see an example of Order on the Next Slide).

Order AD (with Concurrency)

- Concurrency denoted by fork and join nodes.





Assessment

1. What did your team do especially well or poorly?
2. How could you improve your team's performance next time?