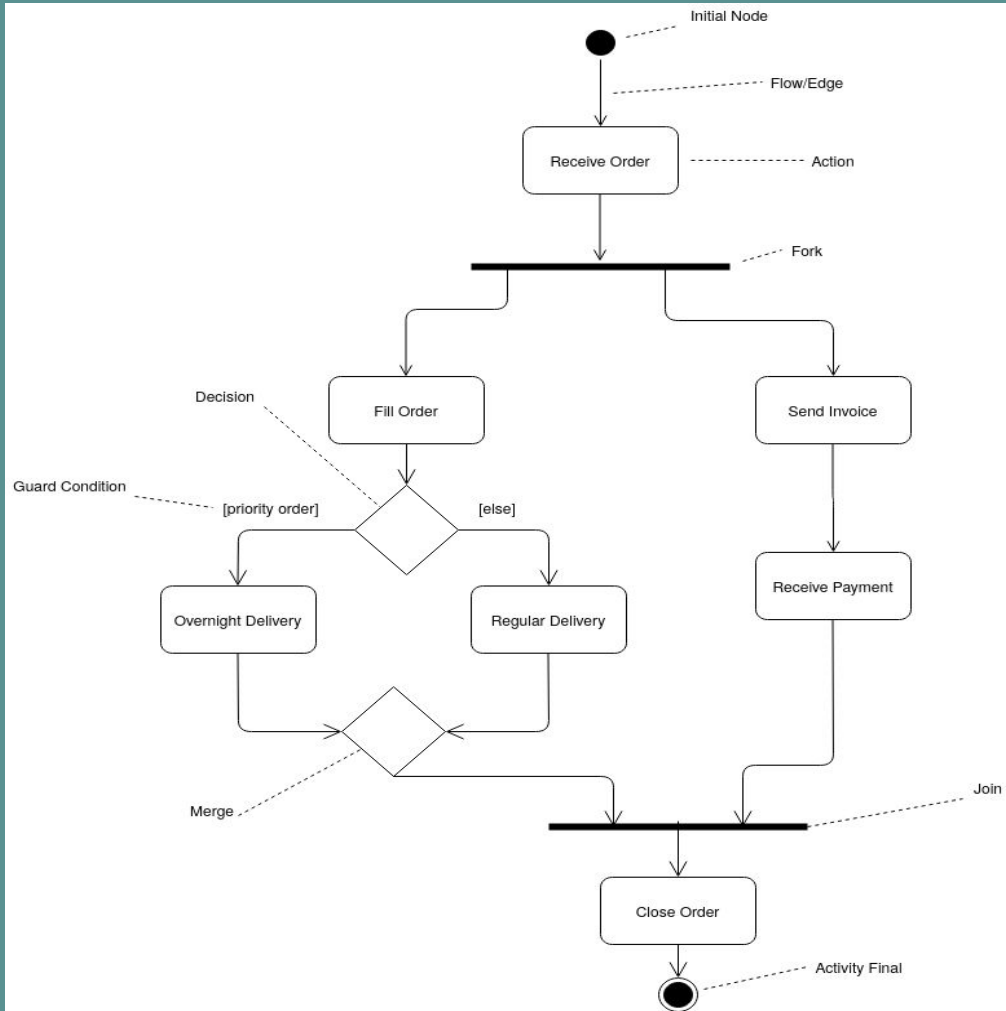# CSE 471 - Lab 06

Activity Diagram

Activity Diagram

- Model business process

- Use case, multiple related use cases, portion of a large use case

- Focus on flow of actions, sequence, alternate pathways, concurrency

UML Distilled A Brief Guide to the Standard Object Modeling Language, Martin Fowler
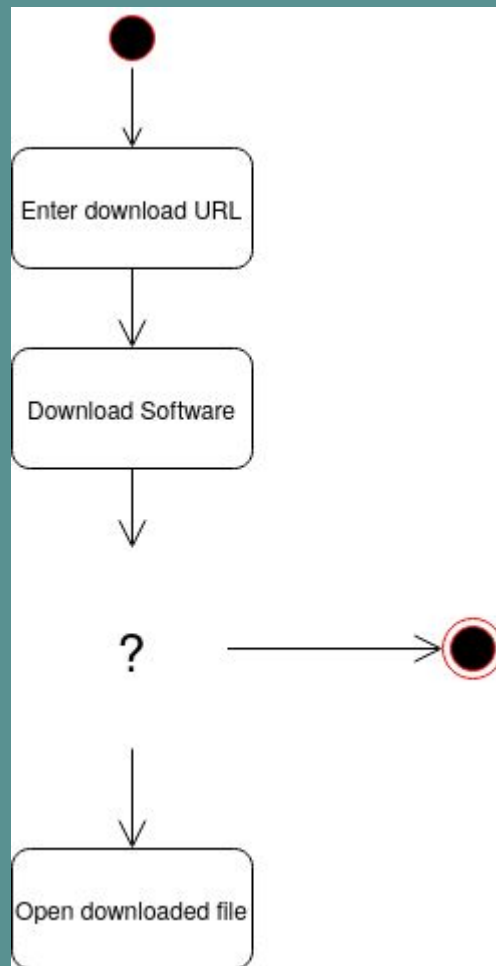
Software Installation

User first enters the URL of the download link into a browser and downloads the software. If the site is unreachable or downloading fails for any reason, the process will end here. After the download is finished, user will double-click on the file and an installer window will be opened. User will be prompted to provide an installation folder. They can choose either default or custom location for the installation. If a custom location is provided, installer will use this address to install the software. After this, all necessary modules will be downloaded to default temp directory. Installer will then check for duplication regarding previously installed version of the same software. If duplication is found, User can choose to replace the existing folder or abort the installation process. Whether installing a fresh version of the application or replacing previous version, installer will then start two independent tasks. One to create appropriate registry entries and the other to copy necessary software files to designated locations. Only after both processes are finished, installer will make a mandatory update of the installed software. After a successful update, user will be shown a confirmation message and installation process will end.

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```mermaid
flowchart TD
    start((●)) --> A[Enter download URL]
    A --> B[Download Software]
    B --> C{Download status}
    C --> D((●))
    C --> E[Open downloaded file]
```

- Enter download URL
- Download Software
- Download status
- Open downloaded file

A

Choose installation
location type

A

Choose installation
location type

Location choice

[Custom]

[Default]

Software Installation

User	Installer
Enter download URL	Download required modules
Download Software	
...	...
	Create registry entries Copy files to target