

CE0825a: Object Oriented Programming II

13: Commercial Java, Demos

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Commercial Documentation

- Videos
- Screenshots
- Instruction manual
- HOWTO, FAQs

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First Think about why you write documentation

Screenshots, web marketing to potential users

User guide for new users

Reference, HOWTO Task-specific instructions

Code comments for maintainers later on

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MSI Windows native format, admin-friendly

PKG Mac installer package, equivalent of MSI

DEB Debian/Ubuntu package

RPM RedHat Package Manager

ZIP Just a bunch of files. Common for tools

DMG Mac disk image, much like ZIP but friendlier

EXE Self-installing, user-friendly

JAR Fine for programmers or if they have a JRE already

Applet No. Just no. Not this century!

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Deployment

- Packaging is half the battle: download your files into the right place.
- Still need to create those files!
- We've seen how to create a single JAR file, which is a start.
- JAR files only run if there's a JRE though.

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Going Native

- Bundle your own copy of the local JRE: self-contained
- App runs as `javaw.exe` unless you:
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Real Commercial Example

- Small engineering-centric startup company, specialist application to sell.
- Written in Java with SWT.
- Some 3rd-party libraries with source licenses.
- Create JAR file
- Package into EXE with JSmooth
- Package EXE with JRE into MSI via WiX
- Package MSI into an EXE for download with NSIS
- Also package JAR into Mac DMG file, shell script launcher
- No Linux package yet
- Full release scripted (Linux Makefile), single command to build Mac+Win
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- Admin tool for Novell NetWare, ConsoleOne
- All BlackBerry apps
- Android (or not, depending on a court!)
- BluRay players
- Many 'enterprise' web applications, particularly banks
- Blackboard!

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Coursework

Required elements, 25% each. There is some overlap of course, 2-4 all include 'produce working code' which is the key task!

- Write about it (report)
- Package it as a working JAR file
- Demonstrate it
- Submit the source code
- Note: No point trying to make an MSI, EXE for this, we can't install on 4506 anyway!

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Lab Task Week 13

- 1 Complete and submit coursework, get ready for demo!