

Packaging your product

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Web based applications

- Your customer may or may not have got the server in place.
- If it is in place you could provide an installer to add your code to their server.
- If it is not you could provide the application running on a departmental server.
- And/or you could provide a server to install on their own machine.

JSP/Tomcat

Ecommerce server

- https://www.dcs.shef.ac.uk/campus/guide/6/Applications/The_World_Wide_Web/Ecommerce_Server_Account.html
- External to the world
- Supports Tomcat/PHP/MySQL running on Apache

Wamp Package

- <http://www.wampserver.com/en/>



Custom installs

- If the customer already has a server available consider making a custom install:
- If they have telnet access:
 - Write a script (perl/bash/make etc) to unpack the archive and place files in the right place.
 - A script to setup any local variables like database location, username, password.
- If they only have ftp access:
 - Give instructions on how to unpack the archive and FTP, you may need to provide an FTP client.
 - You may even be able to write an installer that ftps it automatically (see <http://www.ericchelps.com/batch/samples/ftp.script.txt>) – try combining this info with inno setup and a dos batch file.
 - You may need to instruct them to set some files/folders to be writeable (see next step)
 - Write a script in the same language as your application that takes user input by a form and writes the configuration file.

Desktop applications

Custom installers

- Use inno setup for windows:
 - <http://www.jrsoftware.org/isinfo.php>
- Consider using this tool to package up an install of Java with your java application, adding links to the start menu.

Java - Jar

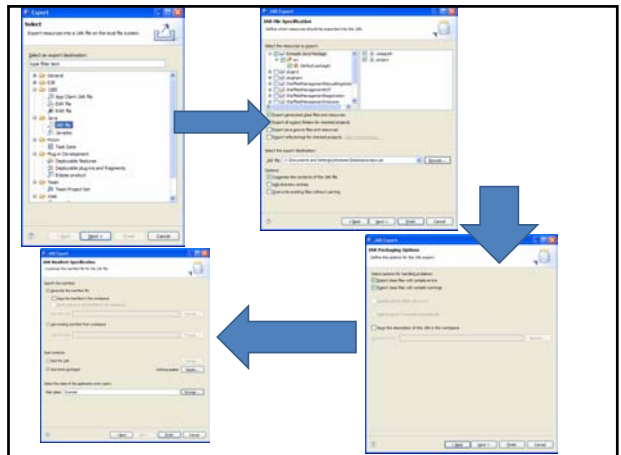
- You need to provide instructions to install the Java JRE separately.
- To create an executable Jar in eclipse:
 - File->export,
 - select java/jar file,
 - select files to export, and file name
 - click next twice,
 - set the main class,
 - click finish.

Java - Webstart

- Remember the user must install the Java JRE first.
- Tutorial:
<http://java.sun.com/docs/books/tutorial/deployment/webstart/deploying.html>
- Example:
<http://www.dcs.shef.ac.uk/~cthomson/jnlp/>
- You need to create a jar first, then just create an JNLP file, and put all the files on some webspace.

JNLP example

```
<?xml version="1.0" encoding="utf-8"?>
<jnlp spec="1.0"
  codebase="http://www.dcs.shef.ac.uk/~cthomson/jnlp"
  href="example.jnlp">
<information>
<title>Example Demo</title>
<vendor>The University of Sheffield.</vendor>
<description>Demo</description>
<homepage href="http://www.dcs.shef.ac.uk/~cthomson/jnlp"/>
<description kind="short">This is an empty example application to show how to set up webstart.</description>
<offline-allowed/>
</information>
<resources>
<jar href="output.jar"/>
<2se version="1.6"
  href="http://java.sun.com/products/autodl/j2se"/>
</resources>
<application-desc main-class="Example"/>
</jnlp>
```



- Don't forget an install guide and basic user guide so the client knows what they should be doing.

Story cards

Register
 The system prompts the user for a email address and password. This is stored in the database so that the user can login.

Tests
 Try to register a new email address - expect login screen
 Try to register a existing email address - expect error and option to reseed password

Nonfunctional Tests
 Takes less than a minute

Tasks for this story

Date	Type	Time	Description	Problems	Users
07/02/2008 09:40	Writing a story card	0:16:00:00	Write initial card		j.thomson@lbc.s.shaf.ac.uk
07/02/2008 10:03	Checking a story card	0:16:00:00	Story card looks ok		j.thomson@lbc.s.shaf.ac.uk
07/02/2008 10:03	Writing a test	0:16:00:00	Writing the tests for the story card, for user is already a member		j.thomson@lbc.s.shaf.ac.uk
07/02/2008 10:34	Checking a test	0:16:00:00	Checked the tests		j.thomson@lbc.s.shaf.ac.uk
07/02/2008 11:04	Writing some code	0:16:00:00	Writing the code to satisfy the test, user is already a member		j.thomson@lbc.s.shaf.ac.uk

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