The Home Stret ch

Home Stretch 27.1

The Plan

- * Review of the Design
- *** The Last 10%**
- ***** Freezing the Project
- Ensuring Success
- Cutting your losses
- * Testing
- Documentation
- * Enhancements

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Review of the Design

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- Late for Serious Changes
 - ☐ May be some course correction possible.
- * Often: Simplification rather than enhancement
 - **□** Shed some frills.
 - □ Narrow down some of the goals.
- * When Adding Things: Must be Orthogonal!
 - □ Orthogonal:Will *not* adversely affect other parts.
 - □ Don't risk project for that "just one more".

The Last 10%

- You may think you're almost done
- * Common wisdom is:

The last 10% of a project takes up 90% of the time.

- Allow for the unexpected
- * Prevent serious problems by testing as you go
- Don't put off fixing a problem to go to another enhancement

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Freezing the Project

- * Earlier rather than later, quit adding features
- * Make sure what you have is done right
- Allow for the unexpected
- * Resist the lure of enhancements
- Spend any extra time to make product more professional

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Cutting your Losses

- Sometimes: Nothing Seems to Work
- * Before it's too late:
 - □ Severely *Prune* your goals.
 - Get help from instructors for this.

A Simple Working Project
ALWAYS RATES HIGHER

than a Fancy Non-Working Project

Ensuring Success

- * Always have a working project
 - □ After some natural increment (with everything so far working) save a complete copy (project).
 - ☐ Think of it as a simpler version.
 - □ Don't lose or change this copy.
- Start the next version
 - □ After significant progress, repeat this process.
- * Too often, a formerly working project is "destroyed" by improvements
 - ☐ It may never work again.
 - ☐ You must have a previous version to fall back on .

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Testing

- "Testing can prove the presence of bugs, but not the absence of bugs."
- * Games: different standard from most software
 - **□** Bugs sometimes become features.
- ***** Errors can be costly, however
 - □ When demo-ing for your grade!
 - □ When showing off for your date.
- Test Plan
- * Testing by a naïve user

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Documentation

- Javadocs provide imbedded documentation
- * Traditional
 - User manual.
 - □ Technical/Program Logic Manual (for heirs).
- ***** On-line documentation
- Legal / for Grade
 - □ Make clear who did what work and when.

Enhancements

- * If you have time ...
 - ☐ Make sure you have polished main parts.
 - ☐ Make sure you do not risk previous work.
- * Enhancements can be a lot of fun
 - ☐ They might add that extra sparkle.
- ***** The pressure is off
 - ☐ Little cost: if it doesn't work, back it out

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