INTRODUCTION PT 2
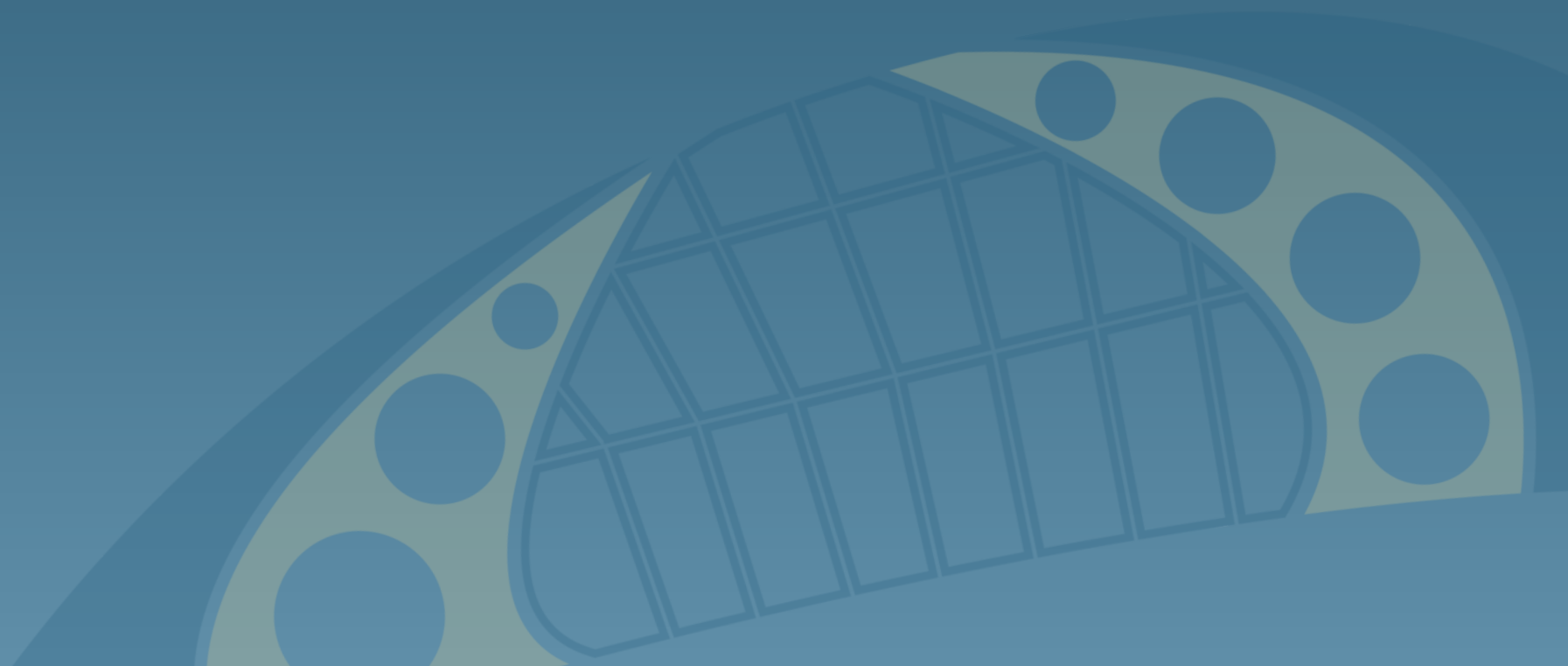
Computer Science II
CS 030
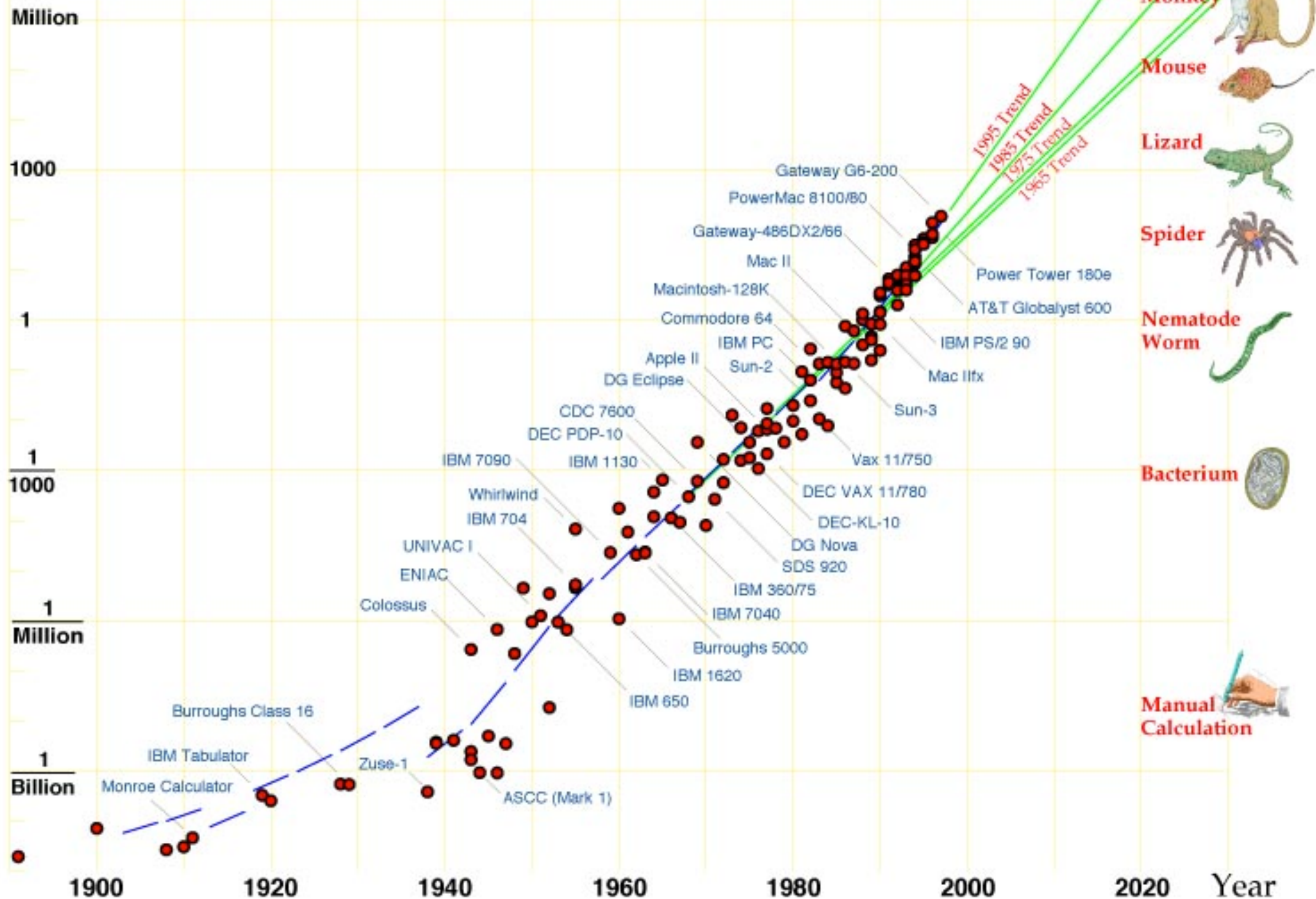Donald J. Patterson

Evolution of Computer Power/Cost
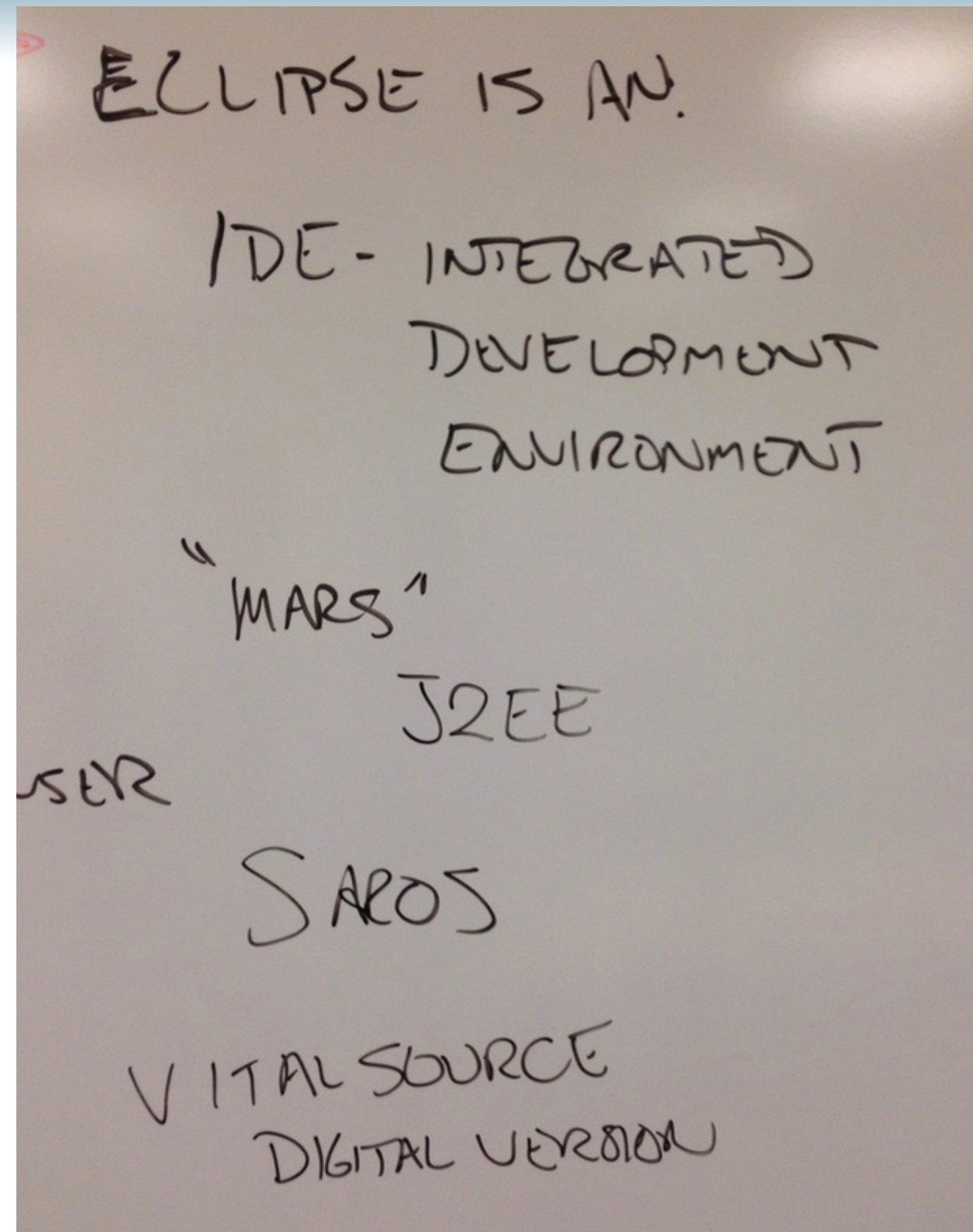
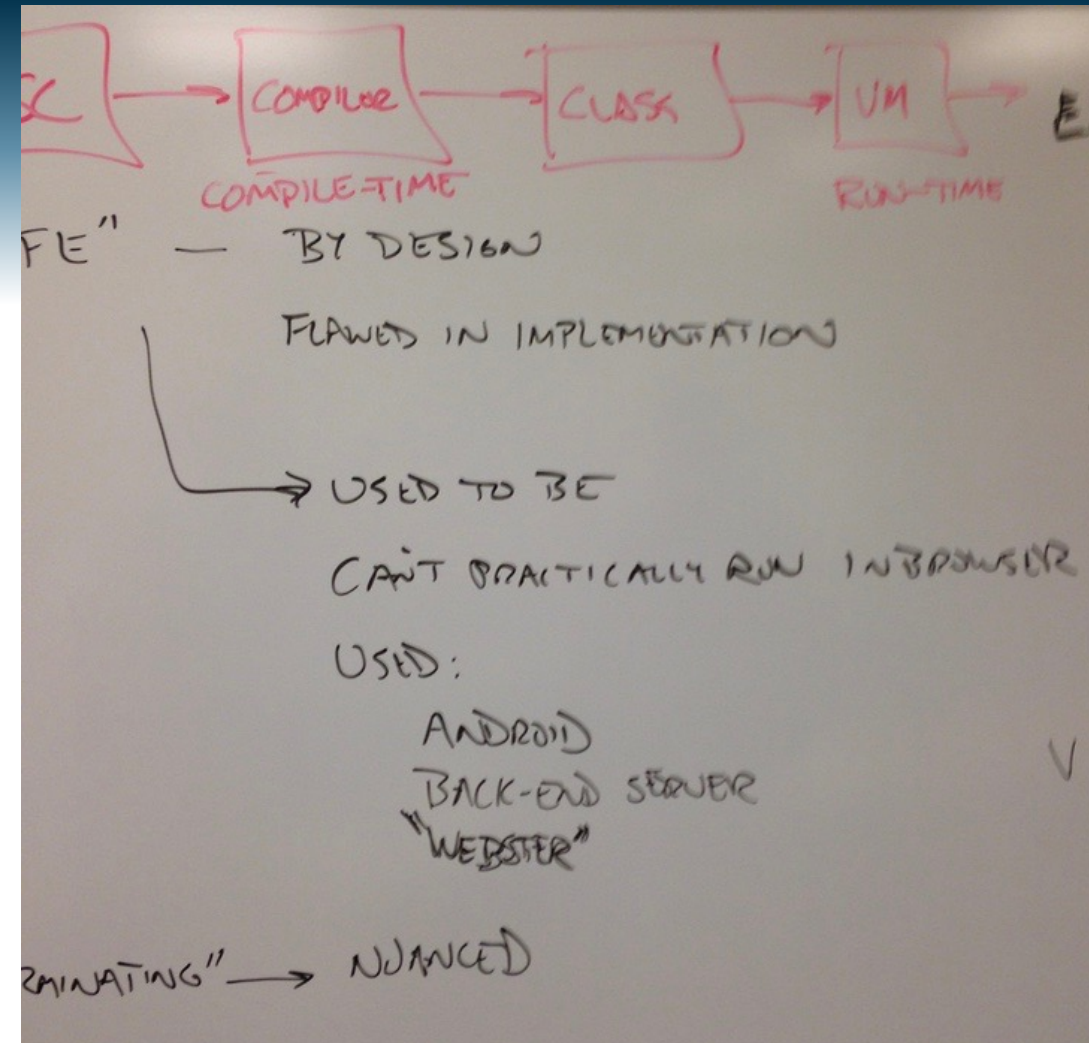Brain Power Equivalent per $1000 of Computer

BOARD NOTES

- Eclipse
  - Current version is "Mars"
  - Saros is a real-time collaborative editor for Eclipse - completely optional
- VitalSource
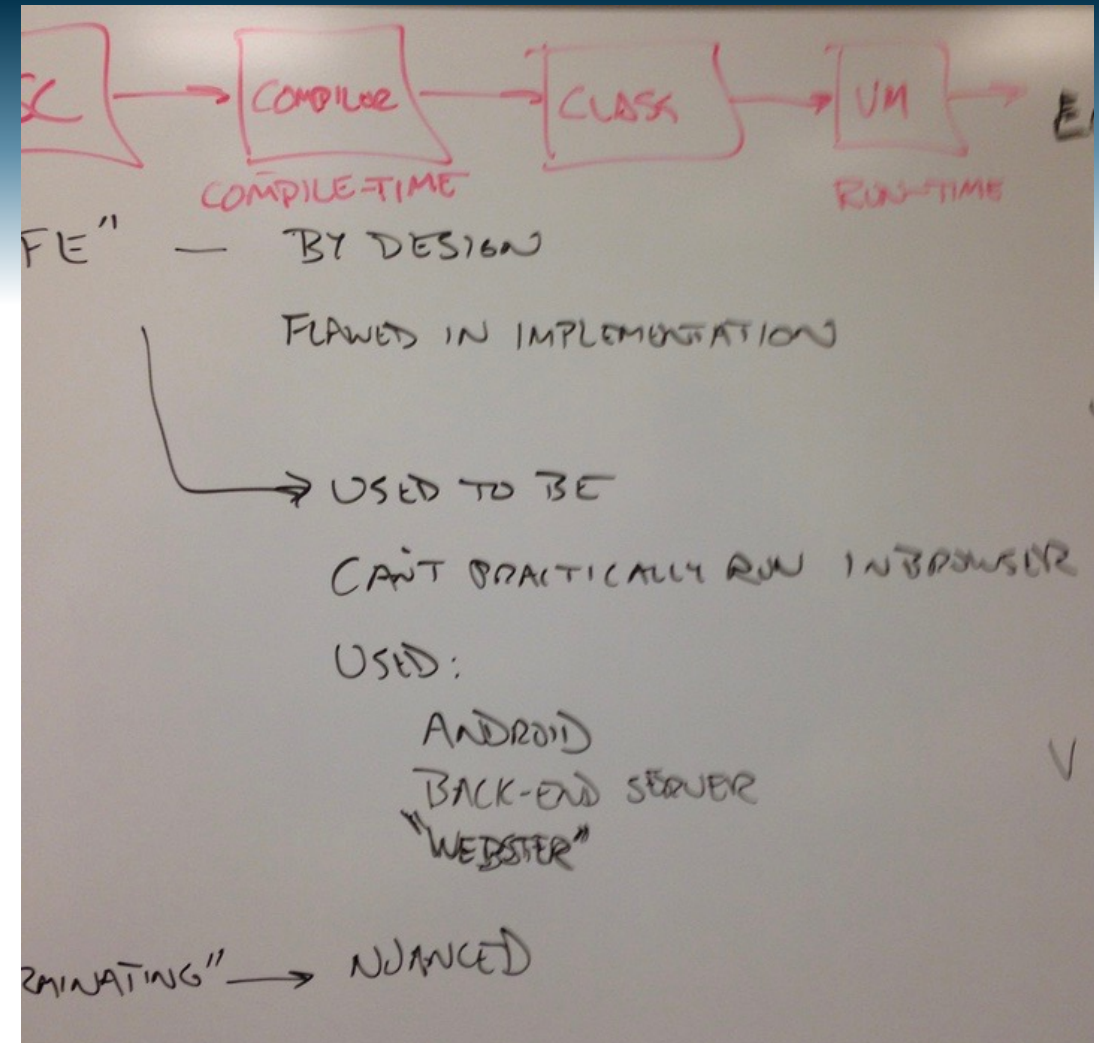 - online viewer for textbook. I'm not sure how you get the code to download it

ECLIPSE IS AN.

IDE - INTEGRATED DEVELOPMENT ENVIRONMENT

"MARS"

J2EE

USER

SAROS

VITAL SOURCE DIGITAL VERSION

BOARD NOTES

- Compile-Time Errors
  - Detected in Eclipse
  - Occur primarily from syntax errors
- Run-time Errors
  - Occur from logic errors
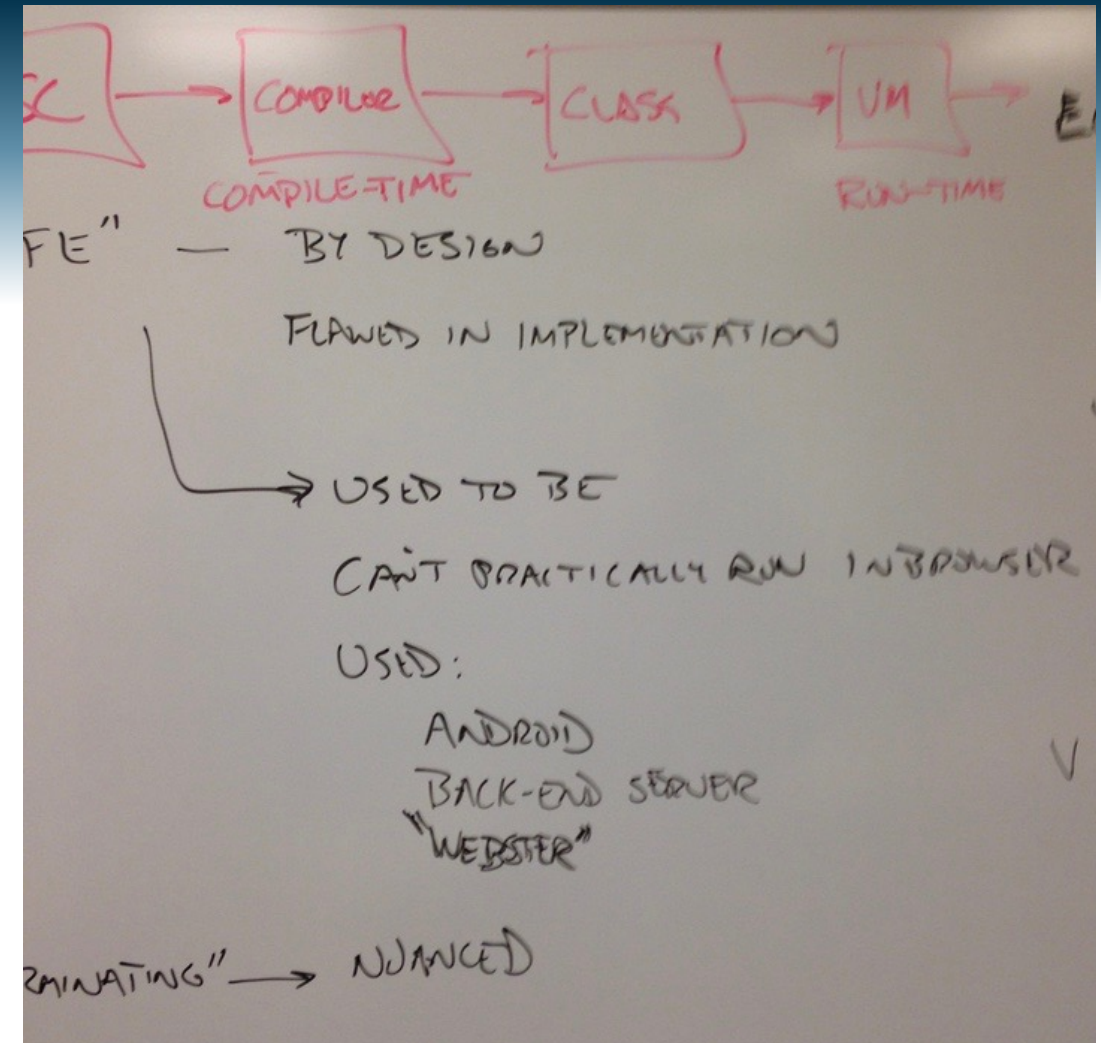 - "Unit testing" is a strategy for catching these

BOARD NOTES

- Java is "Safe"
  - Designed to be safe
  - In practice not implemented very safely
  - Java is not used much for front-end development - mostly servers and Android now
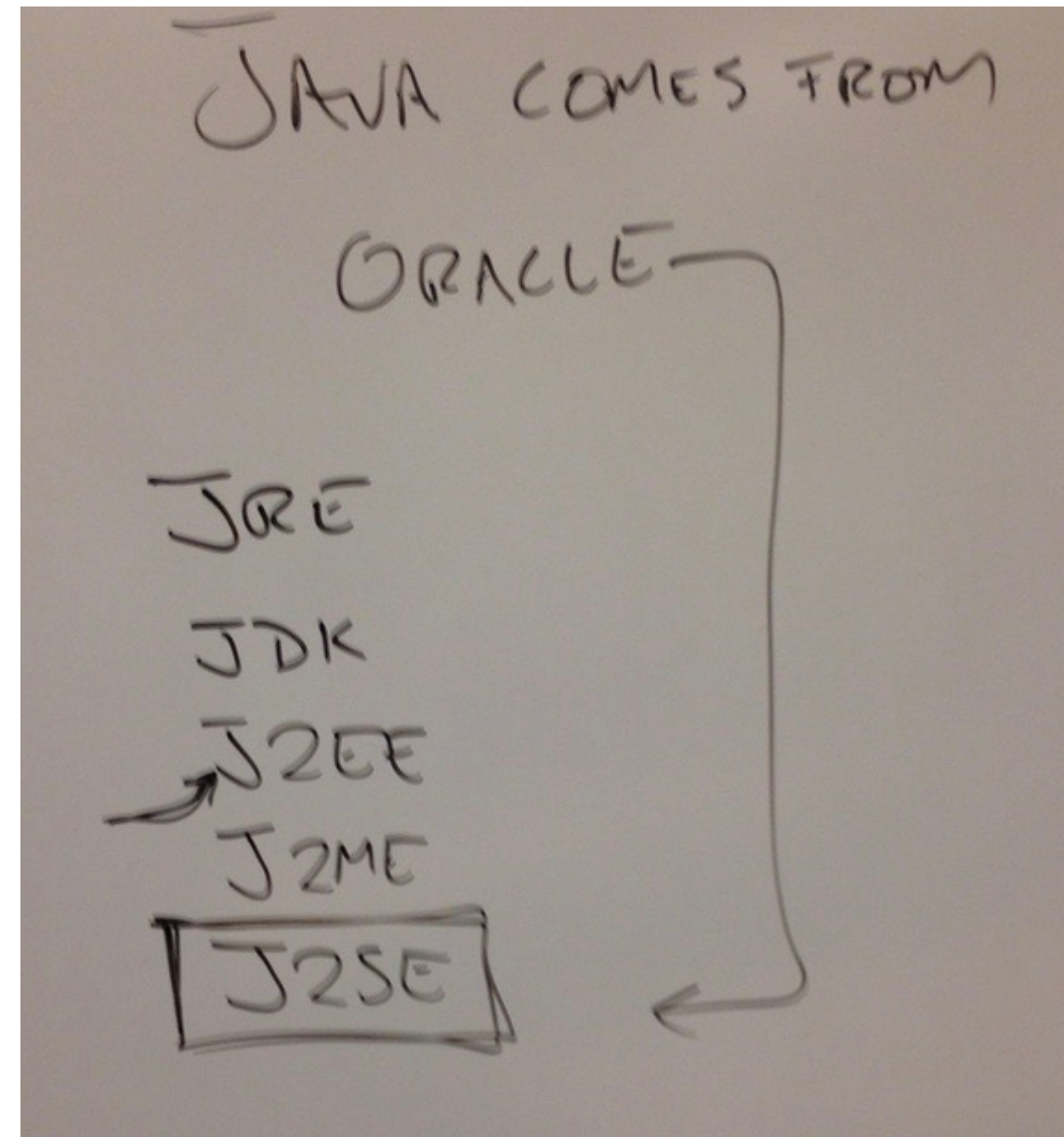
BOARD NOTES

- An algorithm is "terminating"
  - This is nuanced. There are plenty of algorithms that don't terminate that are legitimate algorithms.
  - For a basic understanding assume algorithms must terminate.

BOARD NOTES

- Java downloads
  - JRE - Runtime Environment
    - so you can run Java programs
    - the virtual machine
  - JDK - Development Kit
- Java Editions
  - J2EE - Enterprise Edition
  - J2SE - Standard Edition
  - J2ME - Micro Edition
- You need a JDK to program java programs -

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COMPUTING LAB