

## Prelims

### **\*\* Reasonable Person Std:**

- o-Submit what you've got on time
- o-Ask for help early

**\*\* Smart Person Std ==** Always be ready to show your boss visible progress.

### **(\*)(\*) S/W's Most Important Thing: Maintain Your Morale**

- o- The Next Hour; The Next 5 minutes

## **Rule #0 (Fast): Get to working S/W fast**

- o- **Brute Force Simple:** no frills, use what you know well, go ugly early (and clean once it works)

## **Rule #1 (Optim): Never Pre-optimize**

- o- Don't do things for the future; wait till things are required to take the next small step

## **Rule #2 (Hunts): Kill Bug Hunts**

- o- 90% of typical dev effort is in run-time (RT) bugs
- o- Make RT bugs look like CT bugs (< 5 mins to find/fix)
- o- Do Add-a-Trick – always make Trick's results visible on screen (GUI or console log)

## **Rule #3 (Story): The 2-Story Story**

- o- Top-Story is written in the User's Problem Domain Language (ULang)
  - o- Bot-Story is Comp-Sci stuff
- How? Via CRC Sim
- o1. **User-Scenario:** 1 user role; rambling paragraphs on what user does (tasks) in that role
  - o2. **Use-Case:** one role-task: ID agents (user-in-role & others), actions, interaction messages
  - o3. Write **CRC Card** per Agent: Class=agent; Responsibilities=actions, Collaborators=msg-buddies
  - o4. **Simulate CRC Architecture:** one card per person, sim the task kickoff, interactions, & results

## **Rule #4 (EIO): Use Sample EIO – BEFORE you code**

- o- Write Expected Input-Output pairs to drive your detailed designs; based on CRC Sim architecture

## **Rule #5 (Half-Day): Publish (Half-Day) Goal for your planned day's effort**

- o- gives you 100% overrun leeway
- o- gives you massive estimation practice

## **Rule #6 (Clean): Clean the Page – BEFORE you let your code become visible to others**

- o- Don't get a reputation for turning in poor quality code
- o- Avoid **Lehman's Mummy Laws** of S/W Development Life Cycle (SDLC) atrophy