PROJECT CHECKPOINT 1

Graph-based Adaptive Diagnosis
Yajie (Jessica) Wang
Advisor: Professor Amit Sahai
Class: CS 194
PLANNED SCHEDULE

- Create initial directed graph
- Create database of problems
- Create a working algorithm
- Apply for approval for human testing
ACCOMPLISHMENTS

- Created 2 directed graphs
  - Specific topics under factorization
  - General topics
ACCOMPLISHMENTS

- Created problem set (minimum of 20 problems per topic)
- Created graph library
- 3 traversal functions
  - Linear traversal, depth first, breadth first
- 2 evaluation algorithms
- Turned in HS-1 Form to OPRS
**Difficulties/Surprises**

- Working out bugs in code
- Evaluation algorithm - how much to deduct?
- Trouble with OPRS
  - Initial goal: apply for exemption
  - Obstacle: required another form
  - Current situation:
    - Office is backed up in paperwork, evaluation in February
- After obtaining approval from UCLA, we must also obtain approval from LAUSD
Next Steps

- Refine test algorithms based on observations and testing
- Compare test efficiency
- Refine directed graph
- Apply for approval from LAUSD
- Conduct actual research study