





























Quiz: Derived Requirements When software specifications do not provide all details pertaining to a requirement, then the software engineer is free to: a) Ignore the requirement since, being underspecified, is invalid. b) Leave the unspecified details undone as they are not requirements. c) Do whatever she or he wants. d) Choose between reasonable alternatives or ask e) Assume the requirement author is an incompetent idiot and respecify the project in his or her image.

















| | Grading Rubric (50 points total) | |
|----|----------------------------------|--|
| _ | 0 | [Turn-in: -5 points] |
| | 0 | [Code Style: -10 points] Repeated code, poor class structure |
| | 5 | Implement the game of life on a $10,000 \times 10,000$ grid. |
| | 2 | Window resizeable, where larger window shows more cells. |
| | 3 | Zoomable from 1×1 pixels to 50×50 pixels per cell. |
| | 2 | Age (with color as specified). |
| | 3 | Scroll window through full grid. |
| | 1 | Start up: Random 50% alive and paused. |
| | 4 | When paused, user can click in a cell to toggle life. |
| | | Must run making good use of 1 to 8 cores with 1 to 8 threads for |
| | 14 | workers plus GUI and main threads. |
| | 9 | Operation must be smooth and real-time. |
| | 1 | GUI Controls: Pause/play, next, reset. |
| | 2 | GUI Controls: Number of worker threads (1 through 8). |
| | 2 | GUI Controls: 6 presets |
| 25 | 2 | Gridlines |
| | | |