

RAC1

- Read the paper by Winston Royce on “Managing the development of large software systems”
 - See Piazza Resources > Reading Material > Royce_Waterfall.pdf
- Read article online on Apollo computers and software
 - See Piazza Resources > Reading > Apollo Moon Landing Computing Technology
 - Follow some of the links (e.g. instruction manual; AGC program listing)
 - Optional: Watch movie Apollo 13
- Write a summary of the Royce’s article of about 1 page (500 words)
 - Addressing the questions on the next page
- Submit your summary (preferably as a pdf file)
 - On [Crowdgrader.org](https://www.crowdgrader.org)
 - See enrollment links below
 - Deadline: Wednesday, 05 July 2017, 11:59pm
- Review 4 papers
 - Provide critical, **constructive** feedback
 - Rate the papers on the scale described below
 - Deadline: Saturday, 08 July 2017, 11:59pm

Questions to address

- Write a **coherent summary** of the article in your own words (you may quote short passages: “... text from the paper...”);

in your summary, address the following points:

- (1) When was the paper published?
- (1) In what publication?
- (1) The paper is motivated by the author’s experience with what kind of systems?
- (1) The author calls for extensive documentation for what reasons?
- (1) Does the author advocate the Waterfall model?
 - Waterfall: see textbook or, e.g., http://en.wikipedia.org/wiki/Waterfall_model
- (1) What does the author mean by *Analysis*?
- (1) Why does the author suggest *Preliminary Design* should precede *Analysis*?
- (2) Is the author’s approach consistent or inconsistent with the agile approach? Why?
- (1) Was the Apollo Computers article helpful in understanding the paper? Why or why not?

Grading Scale

- Rate each paper on a scale 0-20
- Award for each question addressed the number of points indicated with each question (10 total)
 - Deduct points for imprecise or incomplete answers
- Award up to 10 points for overall quality:
 - (4) Content
 - Summary captures key points of article
 - (3) Organization
 - (3) Good writing
 - Clear, concise, insightful
 - Grammatically correct

Crowdgrader Links

- Log into Crowdgrader.org using your **ucsc email** account (Crowdgrader uses this for authentication and identification)
- Crowdgrader site:
 - www.crowdgrader.org
 - read the documentation under the Help tab
- Self-enrollment link (for assignment):
https://www.crowdgrader.org/crowdgrader/venues/join/3186/nucufy_vegeru_tadupe_retaqu
- RAC1 assignment link:
 - [2017Su CMPS115-02 RAC1](#)
 - https://www.crowdgrader.org/crowdgrader/venues/view_venue/3186