Lab 7 - PEER CODE REVIEWS

What is code review?

What to look for in a code review?

- **Formatting** – spaces, line breaks, tabs etc.,
- **Style** – variables / parameter declarations, structuring of the code
- **Naming** – names of classes, variables ? Overly short or long?
- **Design** – placing of the code – packages etc., design patterns, reusability etc
- **Readability and Maintainability** – is it self explanatory?
- **Functionality** – is it doing what it is supposed to do? Efficiently?
- **Security problems ? Does it need documentation ? User facing messages?**

Dos of Peer Code Review

- Review fewer than 400 lines of code at a time
- Set goals and capture metrics
- Use checklists
- Foster a positive code review culture
- Practice light weight code reviews

source: smartbear.com

Dont’s of Peer Code Review

- Send code to be reviewed without first reviewing it yourself
    - If this guideline is followed and all reviewers are aware of it, reviewers should be able to make legitimately helpful changes without spending too much time tackling unexpected errors
- Needlessly reprimand the decisions made in the code being reviewed
    - While there is often a need to criticize decisions made while coding, being overzealous ultimately contributes nothing to the author’s knowledge and the quality of the code
- Reject feedback from reviews for personal reasons
    - Unless there’s a technical reason that a specific review may not be valid, the information gained from proper reviews should always improve code to some degree