

Summary

This is a summary of the content of ASD, I recommend reading through the other notes on this repository alongside this.

Introduction

Software Engineering (SE)

establishment and use of effective engineering principles to create software that is reliable and works efficiently on real machines Application of a systematic, disciplined, quantifiable approach to the creation, operation and maintenance of software

Elements of SE

- Requirement gathering
- Design
- Documentation
- Coding
- Testing
- Bug fixing

Process of SE

- Definition
- Development
- Support

Project Management

Planning

- Project Scope
 - Defining scope
 - Narrative: narrative description of software based on what stakeholders say
 - Use cases: stories describing user interaction with software, from user POV
 - Determine feasibility
 - Given the scope, determine the resources required
 - Project Planning Goals
 - AKA Scope
 - Create measurable goals
 - S - Specific
 - M - Measurable
 - A - Agreed upon

- R - Realistic
 - T - Time boxed
- Deliverables
- Schedule
- Supporting Plans
 - HR Plan
 - Communication & Management Plan
 - Risk Management Plan
 - Marketing Plan