

Configuration Management and Quality Process Assessment

Specification presentation of SEP group project

by

Bowen Tao

Quality Control Manager of Coding Pharaohs

Structure

- ✦ *Configuration Management*
 - ✦ *Outcomes of the project*
 - ✦ *Policy for change control and version management*
 - ✦ *SVN*
- ✦ *Quality Process Assessment*
 - ✦ *Process Description*
 - ✦ *Quality goals*

CM - Outcomes

- ✦ *Documentation*

- ✦ *SRS*

- ✦ *SPMP*

- ✦ *SDD*

- ✦ *User Manual*

- ✦ *For each of SRS, SPMP, and SDD, there are first draft version and final version*

CM - Outcomes

- ✿ *Software*
 - ✿ *First version (Week 9 milestone)*
 - ✿ *Second version (Week 10 milestone)*
 - ✿ *Third version (Week 11 milestone)*
 - ✿ *Final version (Final delivery on Week 13)*

Assign	Deadline	Deadline for ind	Res people
SRS first draft	26 August (Week 5)	23 August	Jianqiu, Yu
SPMP first draft	9 September (Week 7)	6 September	Aziz, Yifei
SDD first draft	20 September (Week 8)	17 September	Bowen, Matt

Each of the three major documents will be lead by a group of two to decide the content, structure and task allocation under the documentation scheme. The two people in the three document oriented groups will develop the documents within their domain knowledge over the project while supported by the rest of the team.

Major doc scheme

NO.	Time	Roles	Name
1	2.30pm - 3.00pm 12 August	Chair Secretary	Yifei Pei Matthew Nestor
2	2.30pm - 3.00pm 19 August	Chair Secretary	Aziz Bowen Tao
3	2.30pm - 3.00pm 26 August	Chair Secretary	Bowen Tao Jianqiu Li
4	2.30pm - 3.00pm 2 September	Chair Secretary	Jianqiu Li Matthew Nestor
5	2.30pm - 3.00pm 9 September	Chair Secretary	Matthew Nestor Yifei Pei
6	2.30pm - 3.00pm 16 September	Chair Secretary	Yifei Pei Yu Hong
7	2.30pm - 3.00pm 7 October	Chair Secretary	Yu Hong Aziz
8	2.30pm - 3.00pm 14 October	Chair Secretary	Aziz Bowen Tao
9	2.30pm - 3.00pm 21 October	Chair Secretary	Yu Hong Jianqiu Li
10	2.30pm - 3.00pm 28 October	Chair Secretary	Jianqiu Li Yu Hong

Client meeting scheme

Group members take turns to host client meetings

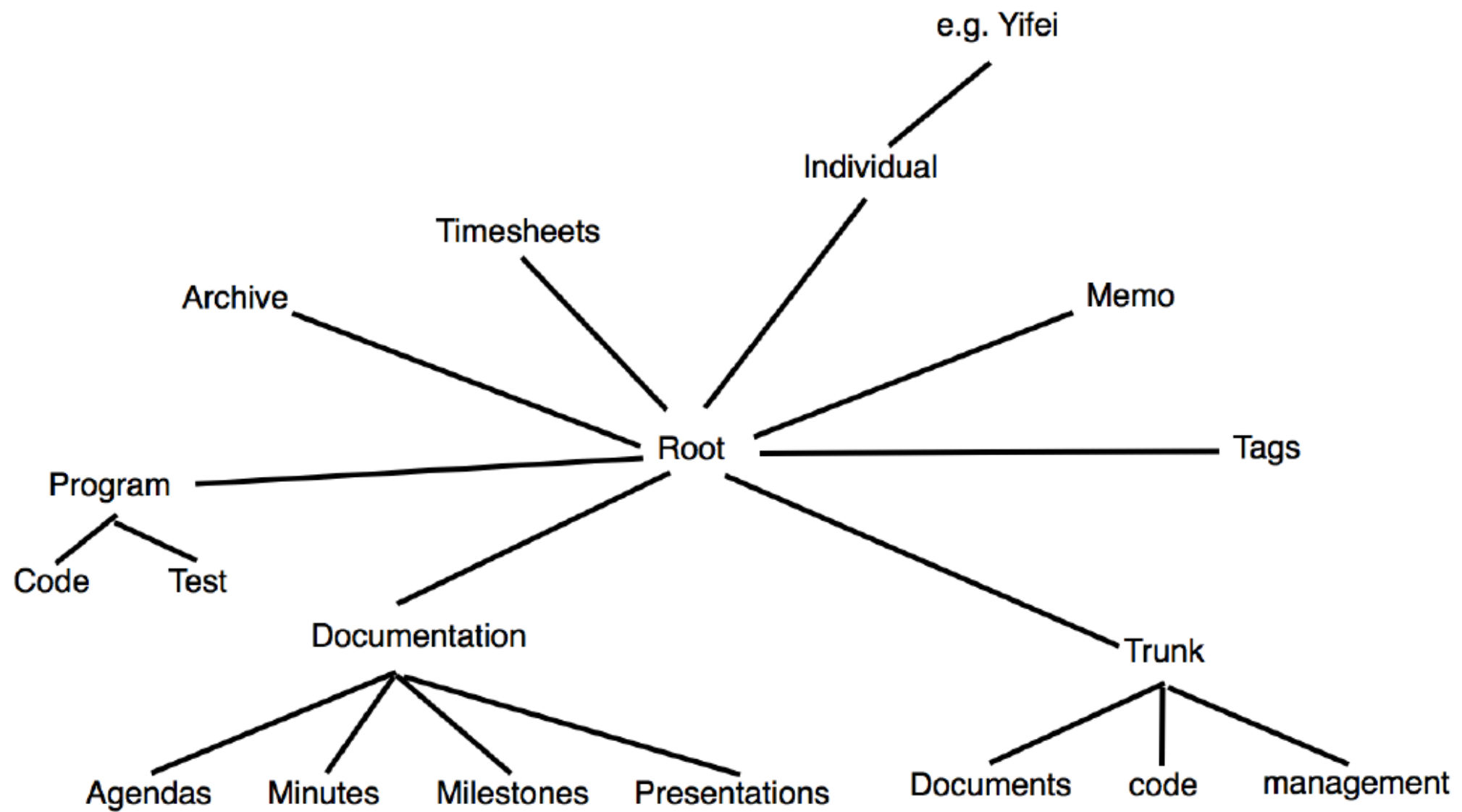
CM - Policy

✧ *Version Control*

- ✧ *For major documents, the number starts from 0.1 and climbs up in increments such as 0.1, 0.2, 0.3 and so forth*
- ✧ *There will be a table list at the beginning of each document specifying the version numbers of each iteration, after the group modify the contents.*
- ✧ *Four stable versions for program, three milestones and one final version*

CM - Policy

- ✿ *First draft of documents - Responsible leading people compile and upload initial version on SVN, others modify*
- ✿ *Final version of documents - Project manager and Documentation manager modify depending on feedbacks*
- ✿ *Code documents - The source code will be documented in Javadoc format, which could be processed by Doxygen to generate HTML file as Java API for the final edition of user manual*



SVN Structure

SVN structure

- ✿ *Archive*
- ✿ *Documentation*
- ✿ *Individuals*
- ✿ *Memo*
- ✿ *Program*
- ✿ *Tags and Trunk*
- ✿ *Timesheets*

SVN structure

- ✦ *Commitment convention*
 - ✦ *Identification: Abdulaziz Albulay - "AA"; Bowen Tao - "BT"; Jianqiu Li - "JL"; Matthew Nestor - "MN"; Yifei Pei - "YP"; Yu Hong - "YH"*
 - ✦ *Example: `svn commit -m "modified by BT"`*

Quality Assurance Plan

- ✧ *Things had already presented*

- ✧ *Product Description*

- ✧ *Product Plan*

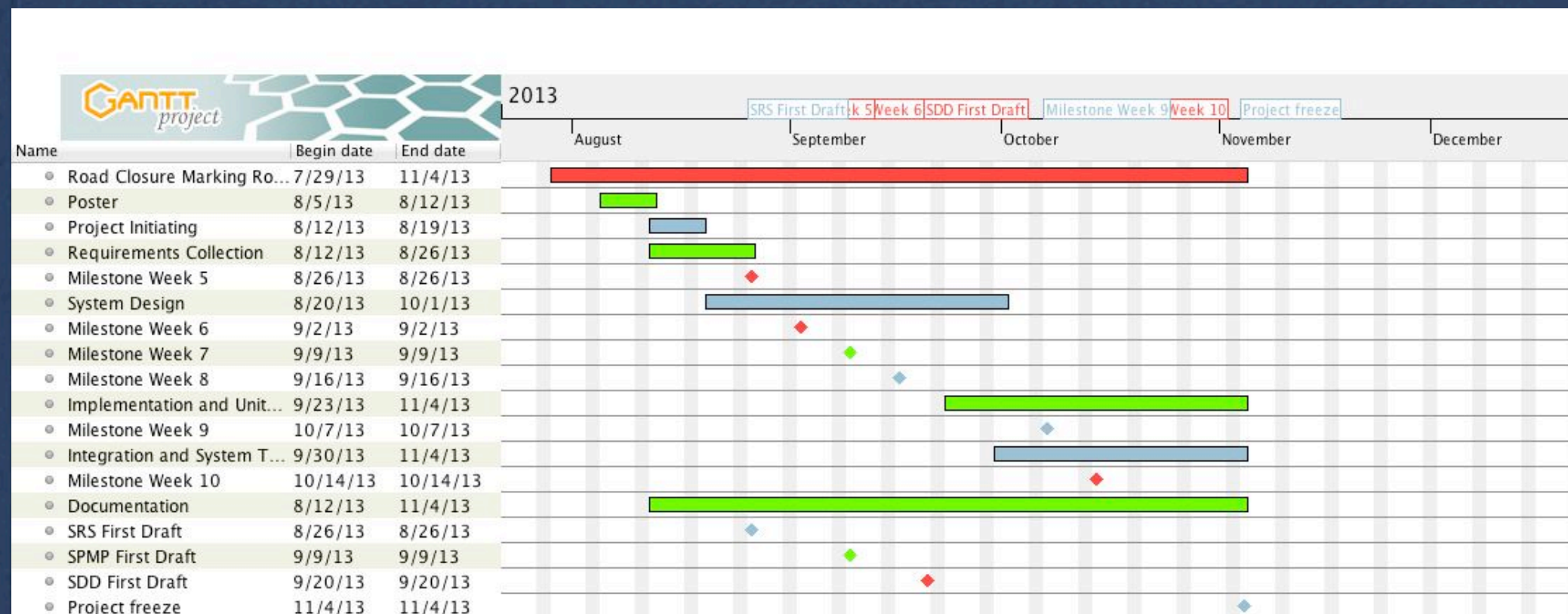
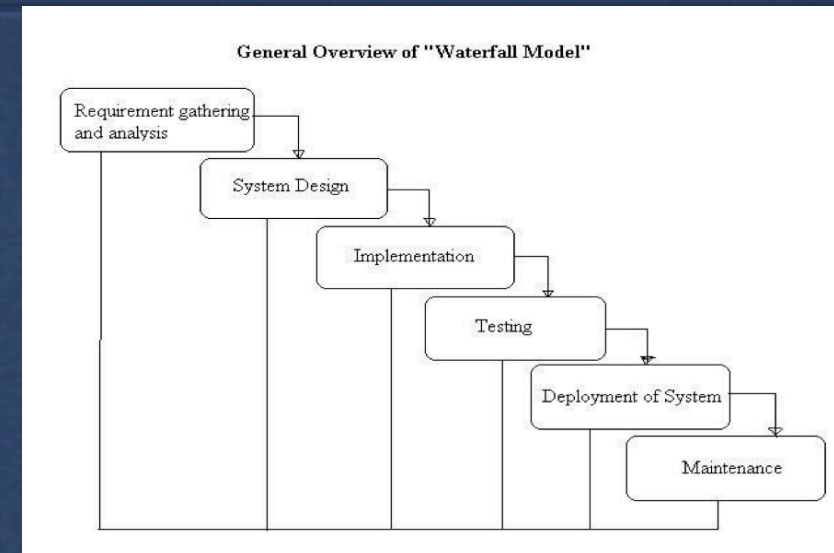
- ✧ *Risk Management*

- ✧ *Things left*

- ✧ *Process descriptions*

- ✧ *Quality goals*

The processes followed Waterfall model



QA - Process

QA - Quality Standards

- ✿ *The highest priority - Software Requirements (stated in SRS)*
- ✿ *Short-term goals - achieve the defined milestones*
- ✿ *Verification and validation process*
 - ✿ *verification first depending on requirements and short-term goals by the group*
 - ✿ *then validation with client in client meetings and software demonstration*

Thanks

✦ *Q&A*