

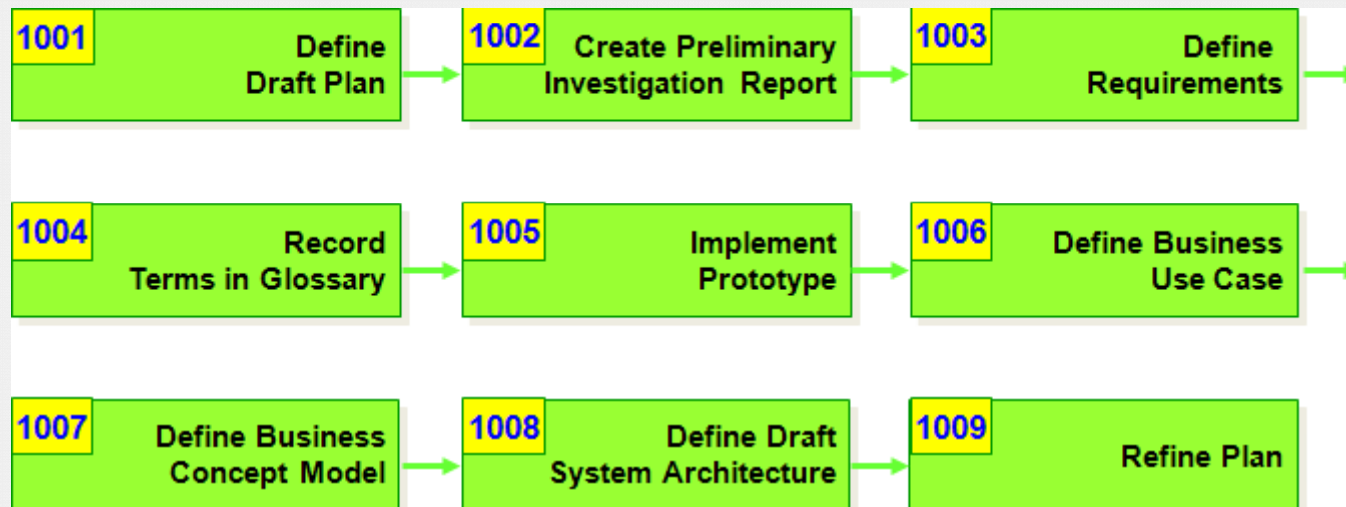
OOAD vs SASD

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Requirement

- **OOAD**

- Design and Analysis through OSP1000.
- When Anyone that is not related with project is read this Document, describe easy to understand detail of Functional Requirement and Non-Functional requirement.



Requirement(Conti.)

- **SASD**, Describe the Function that is need in project.

Statement of purpose

- Base on Normal Elevator Controller
- SEC is add Normal Elevator Controller to new function for Reduce the waiting time.
- At Each Floor exist Display LCD. It is notice to user information of Elevator statement and user could be choice the most Optimized floor.
- Get Information through In and out of door Sensor on Elevator, Control Door Open/Close Speed for Reduce the waiting time.
- Get Information through Weight and Area Sensor, Control the Elevator Speed and Move for Reduce the waiting time.

Requirement(Conti.)

- **OOAD,**
Describe to a nicety for anyone who is outside of Project understand Purpose, Function and more of Project.
- **SASD,**
Describe Only Function of Project. That is need to perfect Analysis Requirement .
- **OOAD is easier to manage project than SASD!**

Cause OOAD is include develop environment, purpose and Functional Requirement and more.
Included Total information of Project.

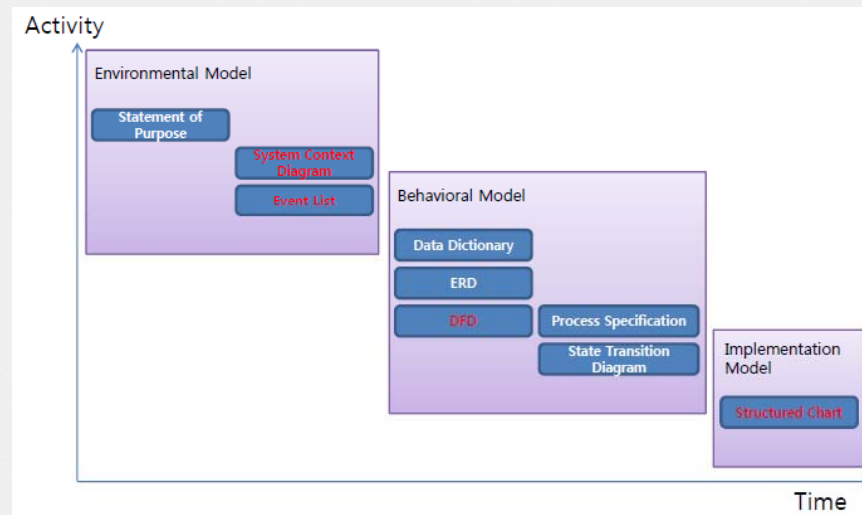
Process

- Process of OOAD is very complexity.
- Designed step-by-step and realization.
- A special of Feature of Process is according to OSP 1000, 2000 and 3000. Take step-by-step.
- Possible to modify on progress in step.



Process (Conti.)

- SASD is designed and realization with pass through lots of process.
- This case, Data flow and Program structure of process is most of all.

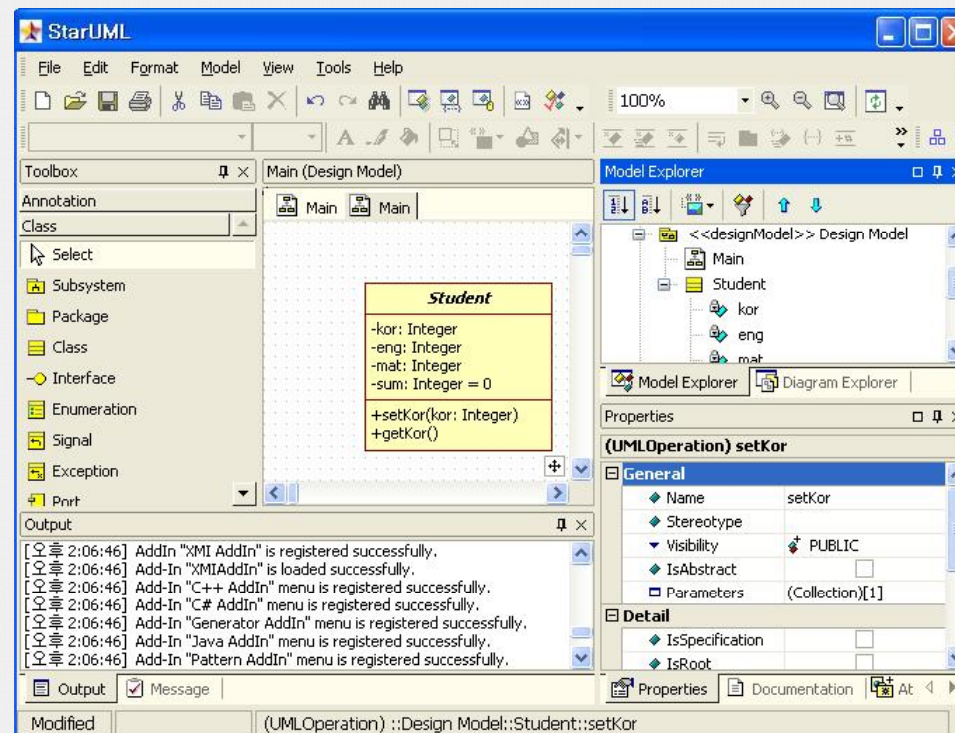


Process (Conti.)

- OOAD is easy to modify on running progress.
Just add or replace new one before next step.
- SASD is hard to modify. Cause Every elements depend on each element in structure.
- When mistake or holes appear on the surface, I `ll suggest recomand to restart all.
- OOAD is more efficiency techniques than SASD on running Project.

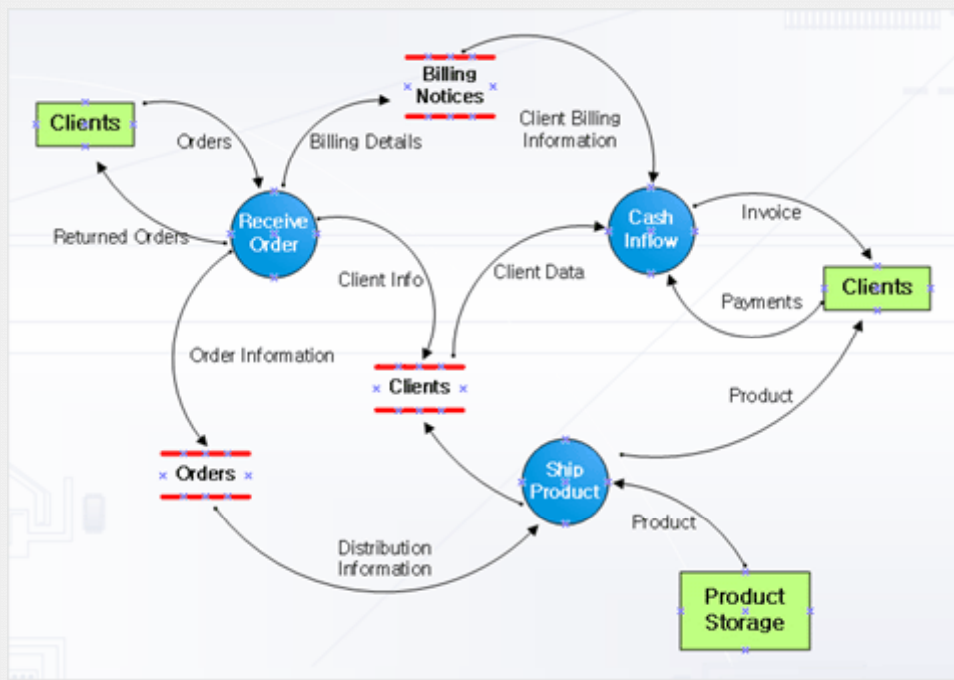
TOOLS

- OOAD has UML Tools for each diagram. It is easy to make design.



TOOLS (Conti)

- SASD is clearly not assigned Tools.
- When you design SASD, just need writing tackle. And drawing assigned devices.
- That`s it all.



TOOLS (Continuous)

- In case of OOAD, Be expert Using the Tool, carry out project easily and quickly.
 - In case of SASD, Be known assigned devices, you can design without special tools.
 - On the average, in case of assigned the tool is more efficiency than opposite side,. But Running project, amazing fact make progress slowly, learning the new tool that is an unfamiliar one for us is waste lots of time. It would be better not to assigned it at all than to authorize it that way.
- * When we draw diagram in case of OOAD, Using STAR UML. It`s hard to us for using skillful.

Project

- **OOAD**

- Design the object-oriented project, make object related to requirement and operate according to each object`s role.
- Operating project program is base on related of objects.

- **SASD**

- Getting input value and make processing it to output.
- Operating project program is base on dataflow structure.

Project (Conti.)

- This project 'Smart Elevator Controller' is based on the function of a normal elevator. It will be required to make more objects and to analyze the data depending on their function by their each object. But hard to make related to objects, cause lack of objects, according to difficult define relationship with objects. It seems like inefficient in the simple programming like elevator controller by OOAD.
- This is structure program that is Base on input data, process it and make an output.
- Cause we make it add to normal elevator controller.
- Focus on DATA FLOW. Thus It's compatible by SASD.
- If any project will be make a lot of objects and depending on their function complex.
- Focus on the relationship between Class
- It would be more efficient way to develop 'bachelor management information systems'.

SASD vs OOAD: similar

- Both SASD and OOAD had started off from programming techniques. The roots of SASD came from structured programming, and the roots of OOAD came from object-oriented programming. Both techniques use graphical design and graphical tools to analyze and model the requirements. Both techniques provide a systematic step-by-step process for developers. Both techniques focus on documentation of the requirements.

SASD vs OOAD: different

- There are many differences between SASD and OOAD. SASD is Process-Oriented, it considers the processes to be the primary driver of the system. But OOAD is Data-Oriented; it considers the data to be the primary driver of the system. Another difference is that OOAD encapsulates as much of the systems' data and processes into objects, while SASD separates between them.

Summarize of OOAD vs SASD

- Which one is better? OOAD and SASD.
- The Merits and demerits is exist for any project.
- An absolute truth is not exist.
- Project Manager is choose efficient Techniques to fit on features each Project.
- Recommend Combining the advantages of the benefits of OOAD and SASD to fit on PROJECT