



SYSTEM DESIGN

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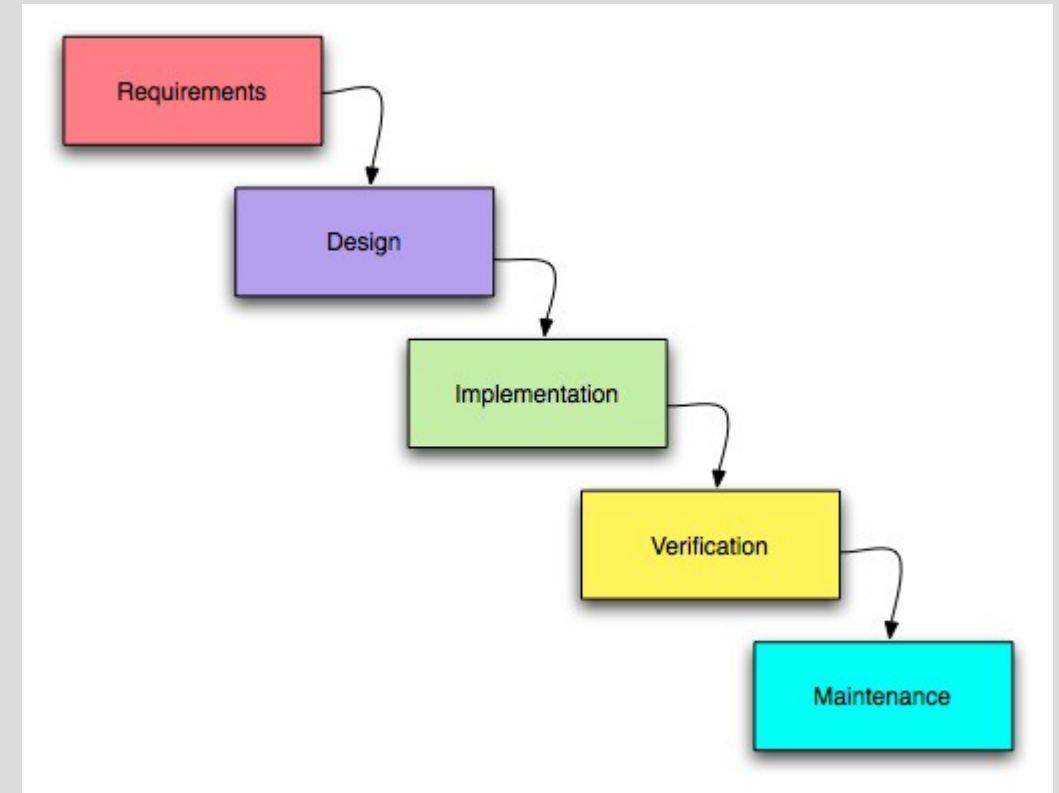


INTRODUCTION

- This presentation will compare :
 - Methodologies for Requirements Gathering
 - Traditional Methodologies
 - Contemporary Methodologies
 - Radical Methodologies
 - Agile Methodologies
 - Recommendation for Student Furniture Webstore
 - Data Flow Diagrams

TRADITIONAL METHODOLOGIES

- Individual Interviews
- Interview groups of people
- Observe workers at selected times
- Study business documents



HOW TO INTERVIEW EFFECTIVELY

- Make a plan for the interview
- Prepare: appointment, priming questions
- Get your checklist, questions, and agenda
- Take notes as you listen carefully.
- After 48 hours, review your notes
- Play neutral
- Collect diverse opinions



Group interviews

- Advantages Of Group Interviews
- Disadvantages of Group Interviews
- Why Group Interviews may be the best choice



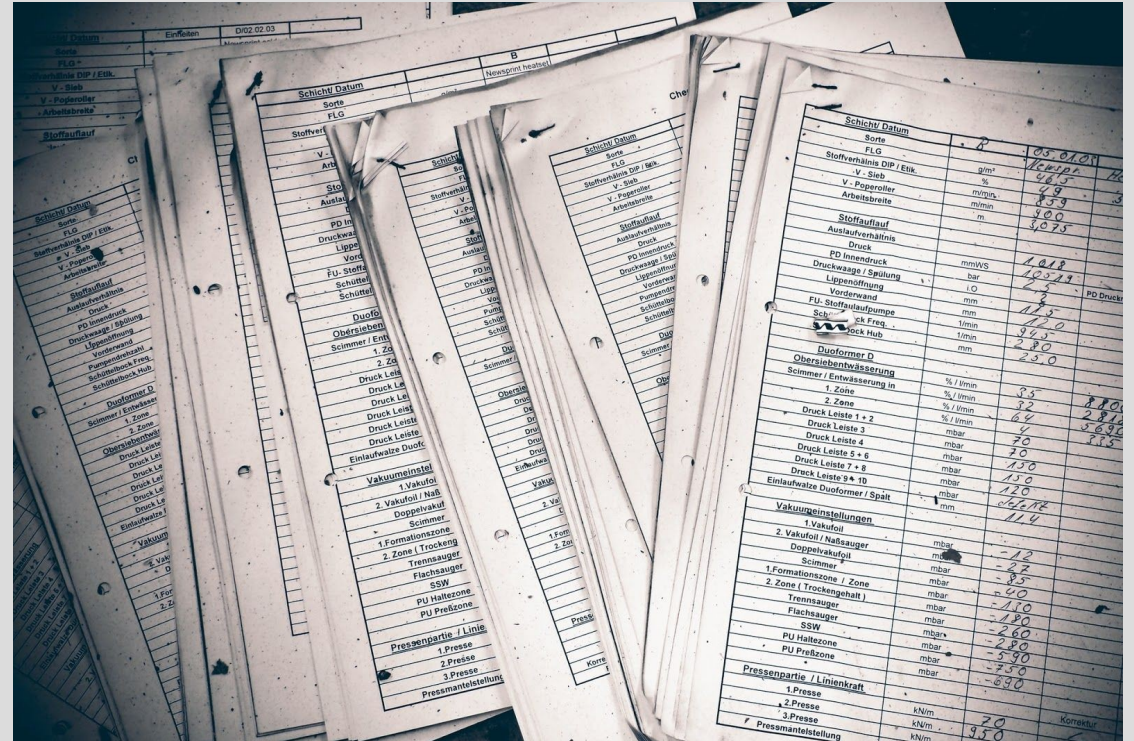
DIRECTLY OBSERVING USERS

- Reasons Why Directly Observing Users is beneficial.
- Concerns on interview process
- Observing work situations to gather the most accurate information.



Business Documentation

- System issues
- Chances of meeting new requirements
- Directives in the organization enhancing the flow of information.
- The names and titles of interested people.
- The organizations; values and helpful individuals that can help.





CONTEMPORARY METHODOLOGIES

- Joint Application Design (JAD)
- Prototyping
- Evolutionary Prototyping
- Throwaway Prototyping



WHEN PROTOTYPING IS BENEFICIAL

- Nontransparent or unknown user criteria that characterize new systems for making decisions.
- The framework includes a single user or more with a few stakeholders.
- Possible designs are dynamic and need to be completely tested in concrete form.
- There have been communication issues from user to the analyst in the past, and all of them wish to have an excellently working system.
- In order to rapidly construct working systems, resources and data are readily accessible.



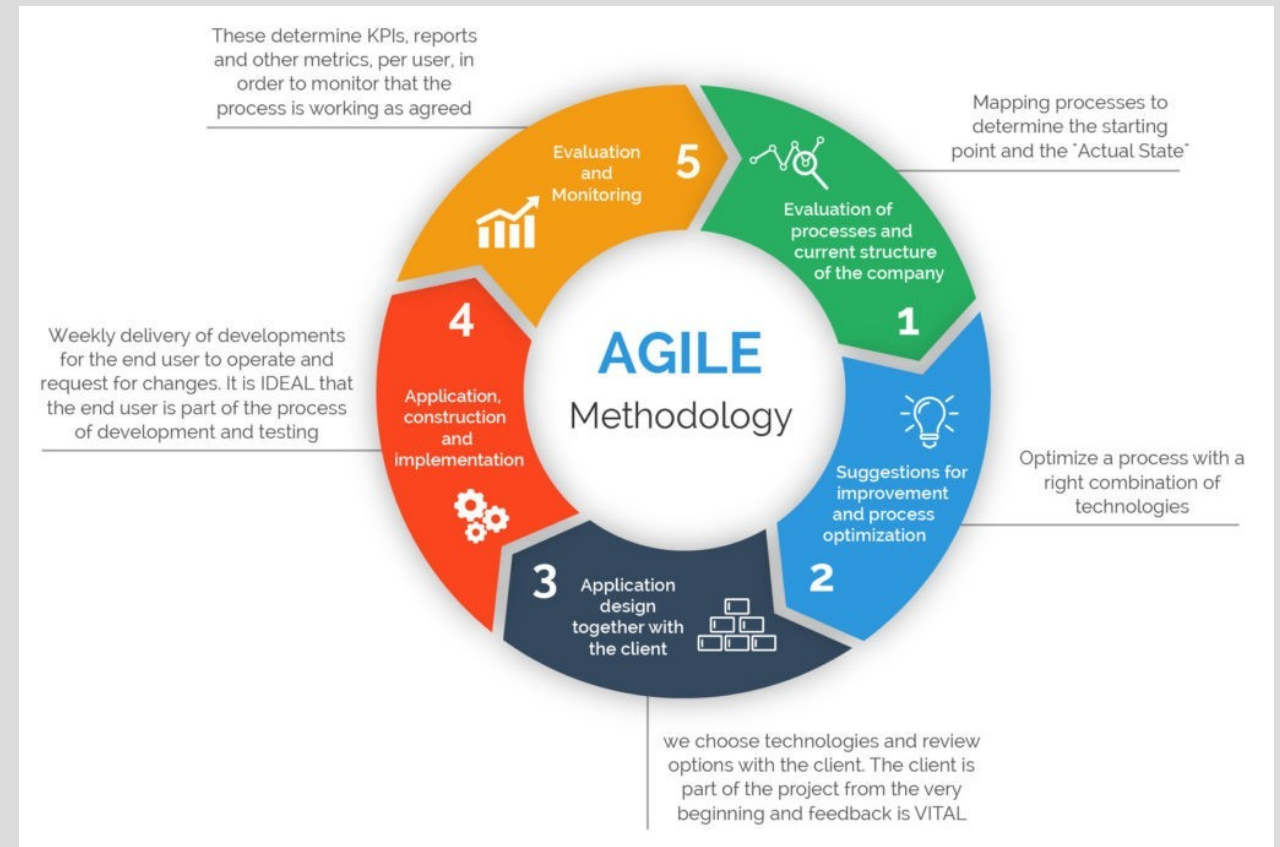
RADICAL METHODOLOGIES

- Business Process Reengineering (BPR)
- Key Business Processes
- Disruptive Technologies
(Valacich & George, 2020)

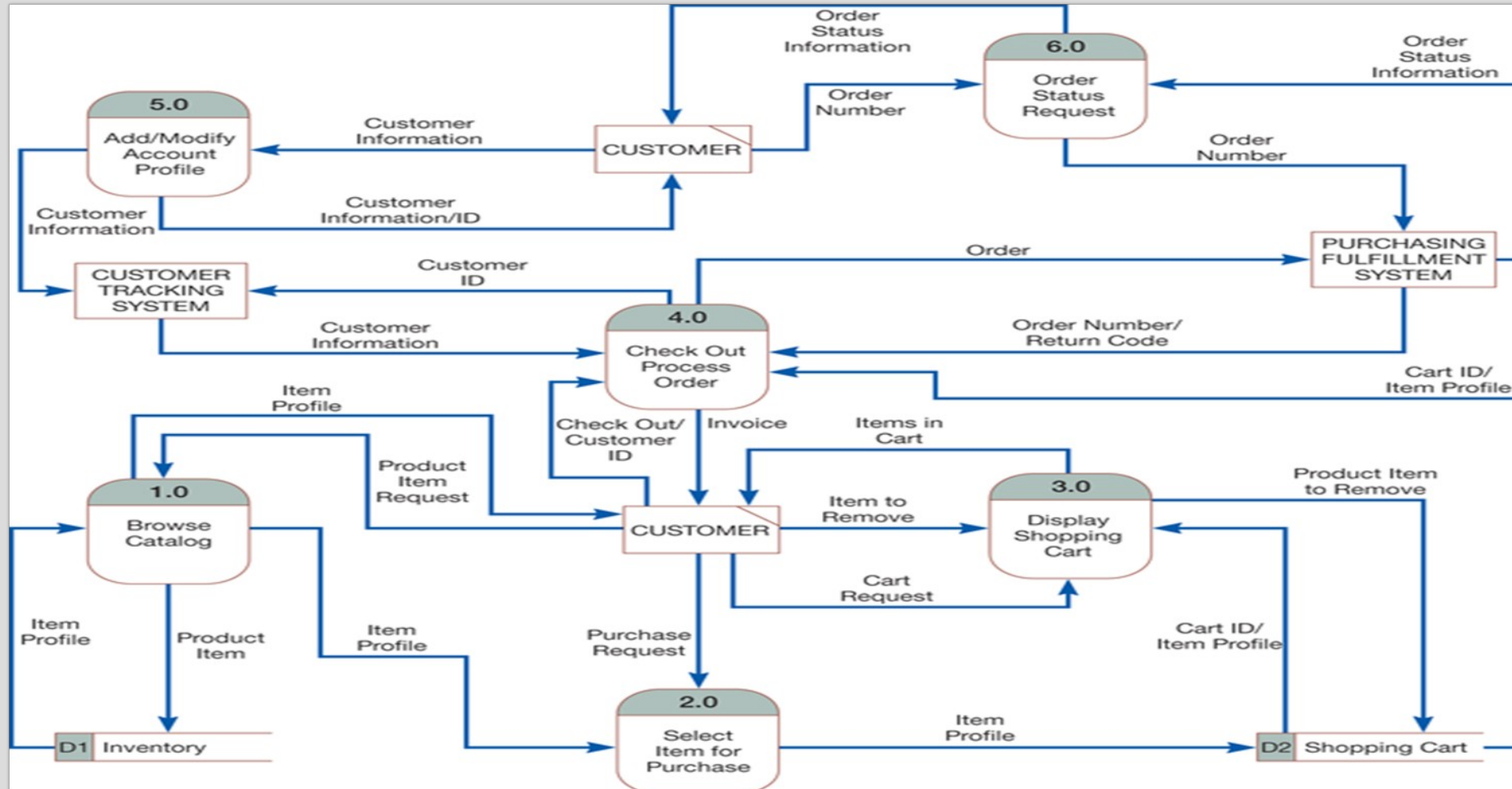
AGILE METHODOLOGIES

- Continuous involvement of users
- Game planning
- Agile Usage-Centered Design

(Valacich & George, 2020)



DATA FLOW DIAGRAMS



CONCLUSION

- Pine Valley furniture should use progressive and conventional methodologies
- Questions?





REFERENCES

- Valacich, J., and George, J. (2020). Modern systems analysis and design (9th ed.). Boston, MA: Pearson.