

4910 Lightning Talk: Project Management

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Project Overview

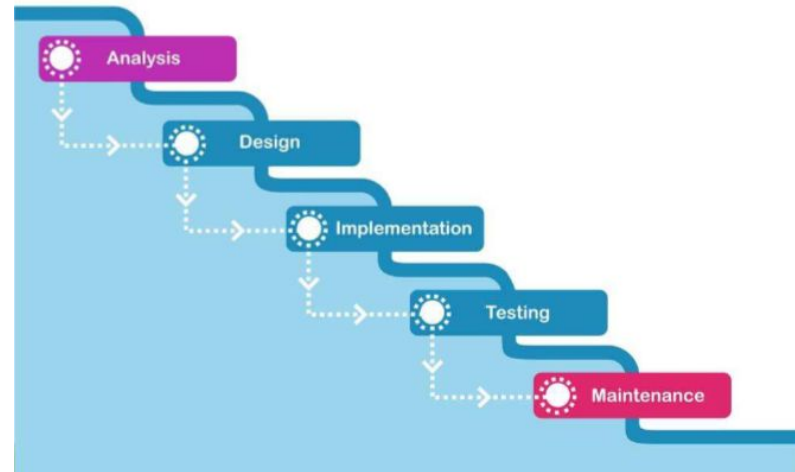
- Client: Burns and McDonnell
- User: ISU Utilities and customers
- Goals:
 - Model and analyze the ISU Microgrid
 - Increase reliability for end users
 - Design upgrades for both transmission and distribution power systems
 - Create future plans for load growth and increase of renewable energy



Project Management Style

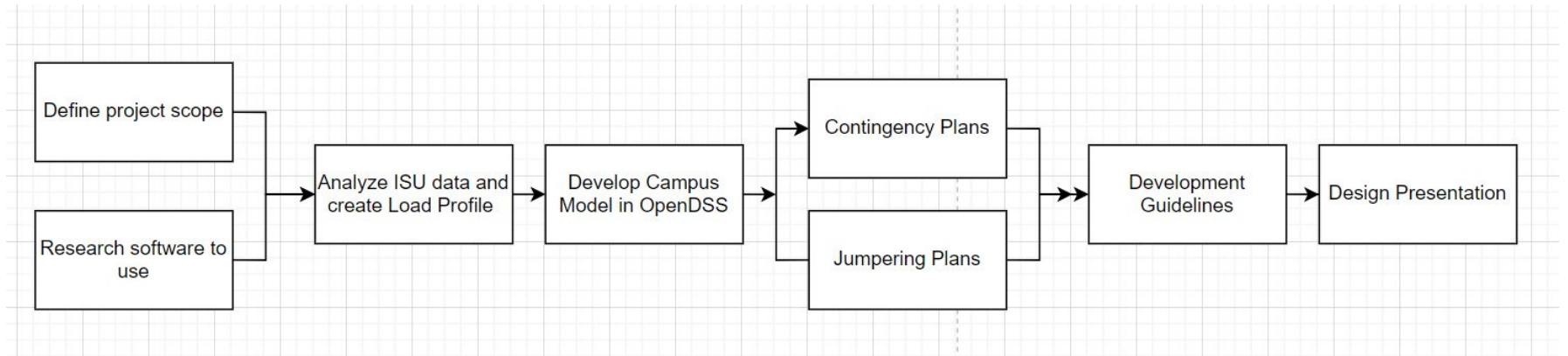
Waterfall Style

- Limited interaction with the client
- Limit scope creep



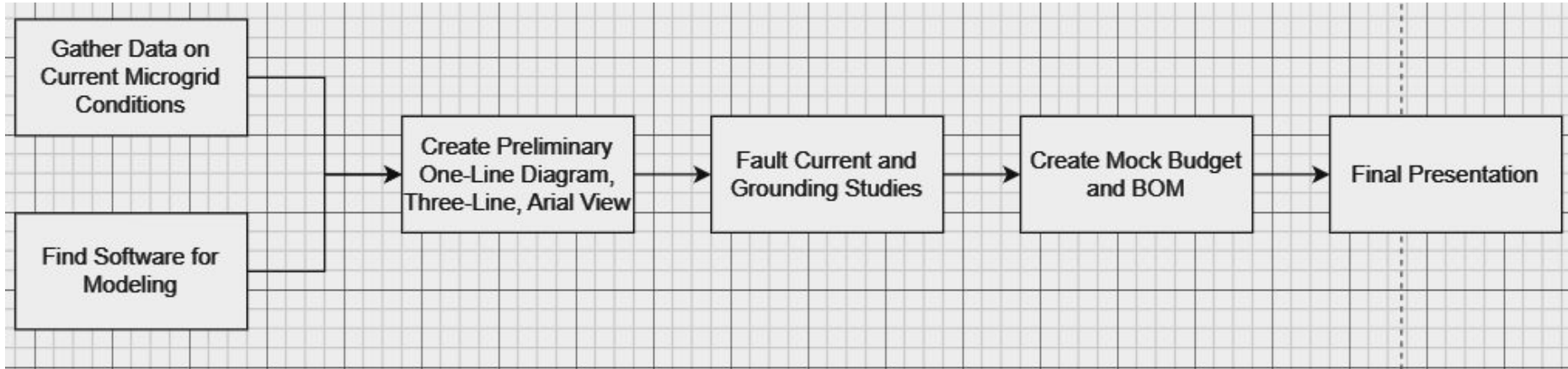
Task Decomposition

Distribution Team:



Task Decomposition

Substation Team:



Key Milestones and Metrics

- Define problem and deliverables
- Fact finding
- Source programs
- Perform calculations and create models
- Quality control
- Documentation
- Final presentation

Key Risks

- Incorrect calculations
- Time management
- Incorrect/old data
- Program limitations

Conclusion

We plan to use the waterfall method due to our limited contact with our client. Both of our teams have their task decomposition schedules laid out. We have already reached some of our key milestones, and we are actively mitigating our risks.