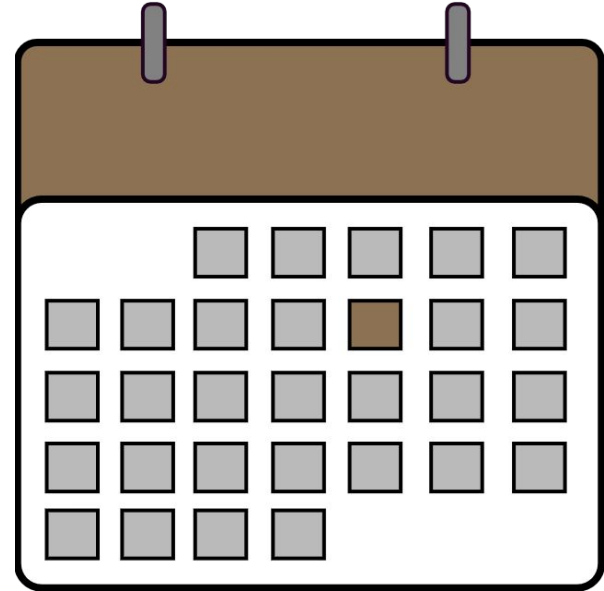


Design Review #1

TA Scheduling and
Management System



Team Magisters



Andrew Liddell

Joe Domabyl V

Junjian Yin

Daniel Drake

Volodymyr (Vova) Saruta

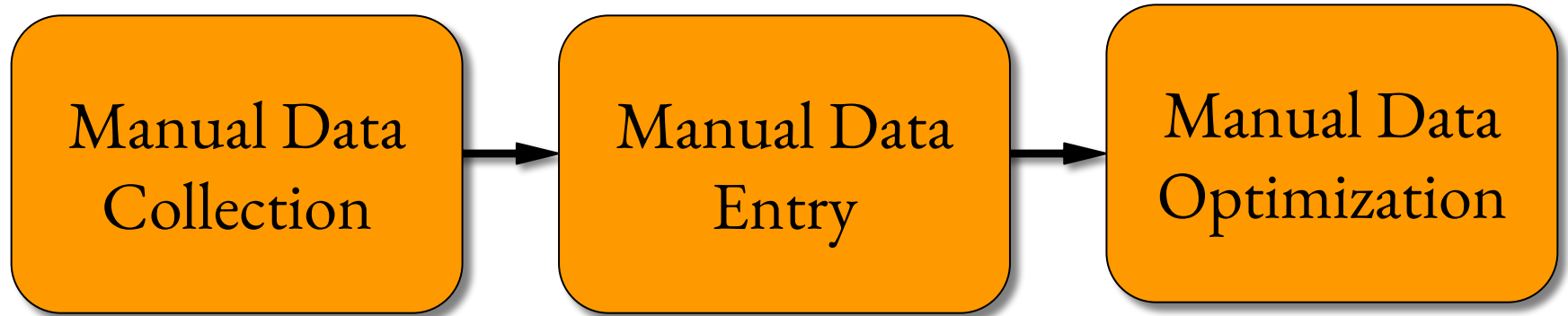


Doctor Fofanov

- Associate director for graduate programs at SICCS
- Associate lab coordinator for bioinformatics labs



Problem Statement



Solution Overview



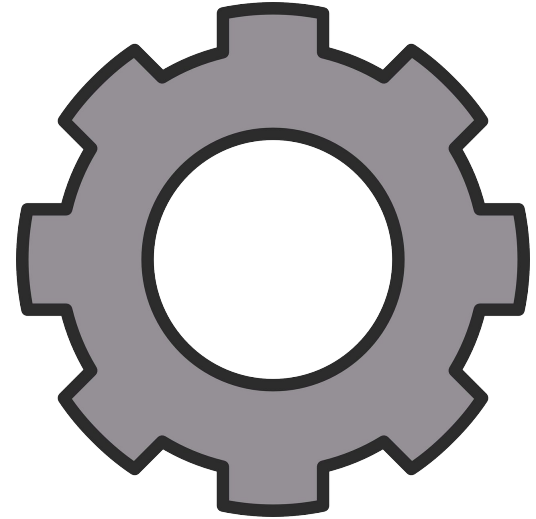
Key Requirements

- How did we arrive at these requirements?
 - Primarily via meeting with the client
 - Specification document (MVP)
 - Internal discussion
- Domain requirements
 - Different user accounts
 - Modifiable TA attributes
 - Schedule Overview
 - Modifiable schedule
 - Quick organization and scheduling of TA's



Functional Requirements

- User-based authentication and permissions
- TA scheduling optimization
- GUI renders data state
- Account configuration/setup
- Data management system



Lab Organizer Pool

Lab Organizer Object

Semester Pool

Lab
Object

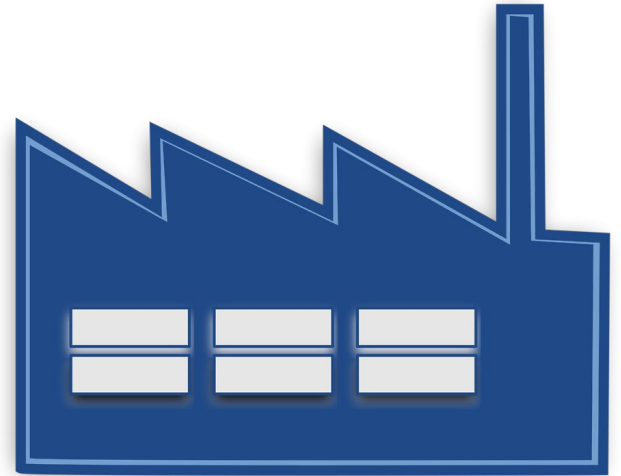
TA Pool

TA
Object



Nonfunctional Requirements

- Security
- Look-and-feel
- Modularity
- Sensitive Data Anonymization



Risks and Feasibility

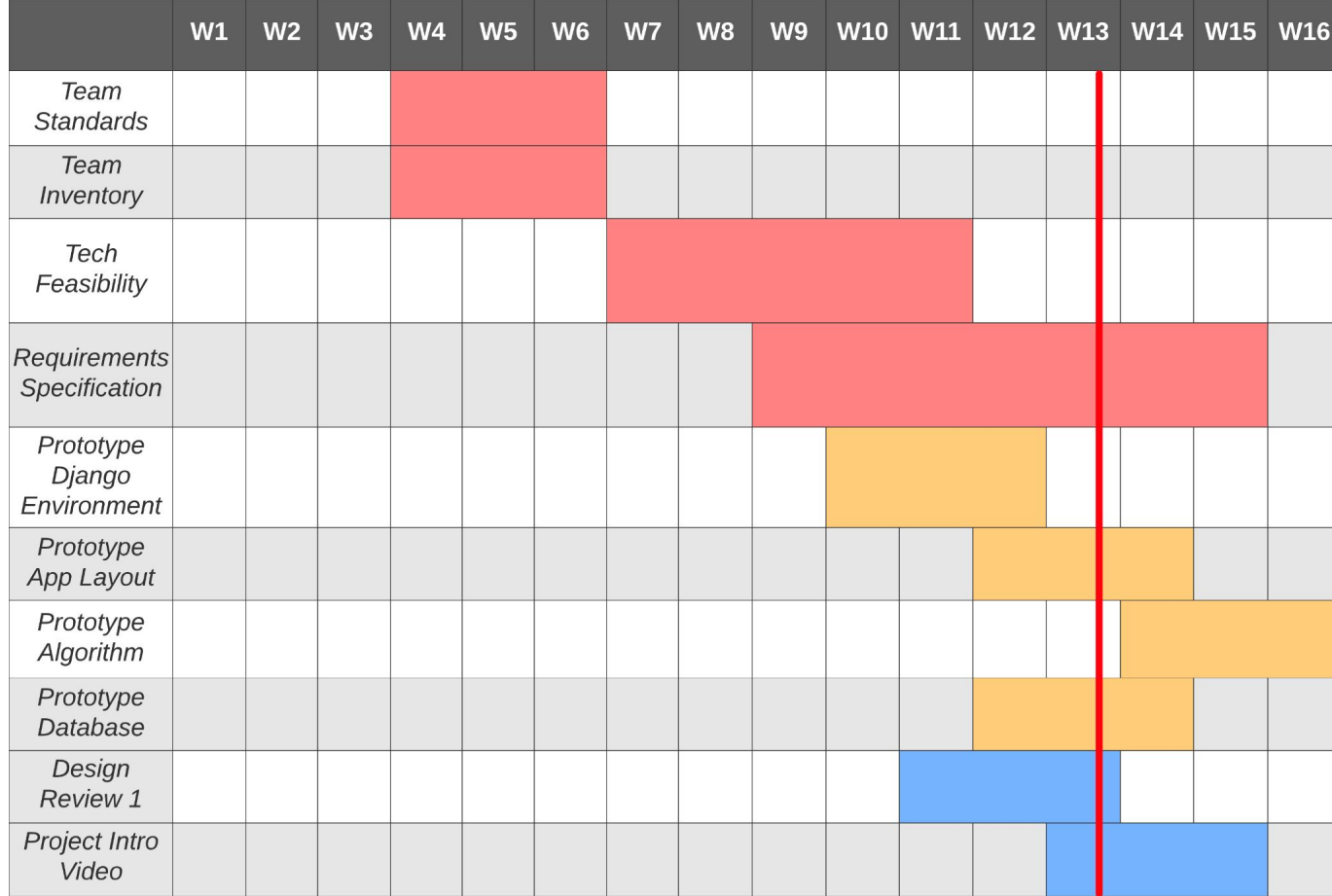
Risk	Severity Score	Likelihood Score
Wrong Email Recipient	Low	Low
Django-Redis Library	High	Medium
Unreliable TA Evaluation	Medium	High
Inefficient GUI Workflow	Low	Low

Risks and Feasibility Cont'd

Potential Mitigations:

- Malleable TA information
- Bug patches
- Tabbed environment





Document



Prototype



Presentation

	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	W16	
<i>Software Design</i>		Document															
<i>Design Review 2</i>						Presentation											
<i>Fully Integrated Prototype</i>							Prototype										
<i>Software Testing Plan</i>									Document								
<i>Design Review 3</i>										Presentation							
<i>Capstone Poster</i>													Prototype				
<i>Final Presentation</i>													Presentation				
<i>Final Report</i>													Document				
<i>Final Product</i>														Prototype			

 Document

 Prototype

 Presentation

Conclusion

