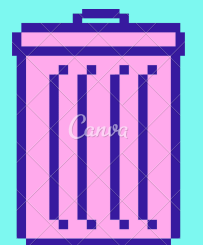



WHY SOFTWARE PROJECTS FAIL: A CASE STUDY IN IMPLEMENTING A GUI FOR A SATELLITE IMAGING AI TRAINING SYSTEM

Sara Walsh

Wright State University

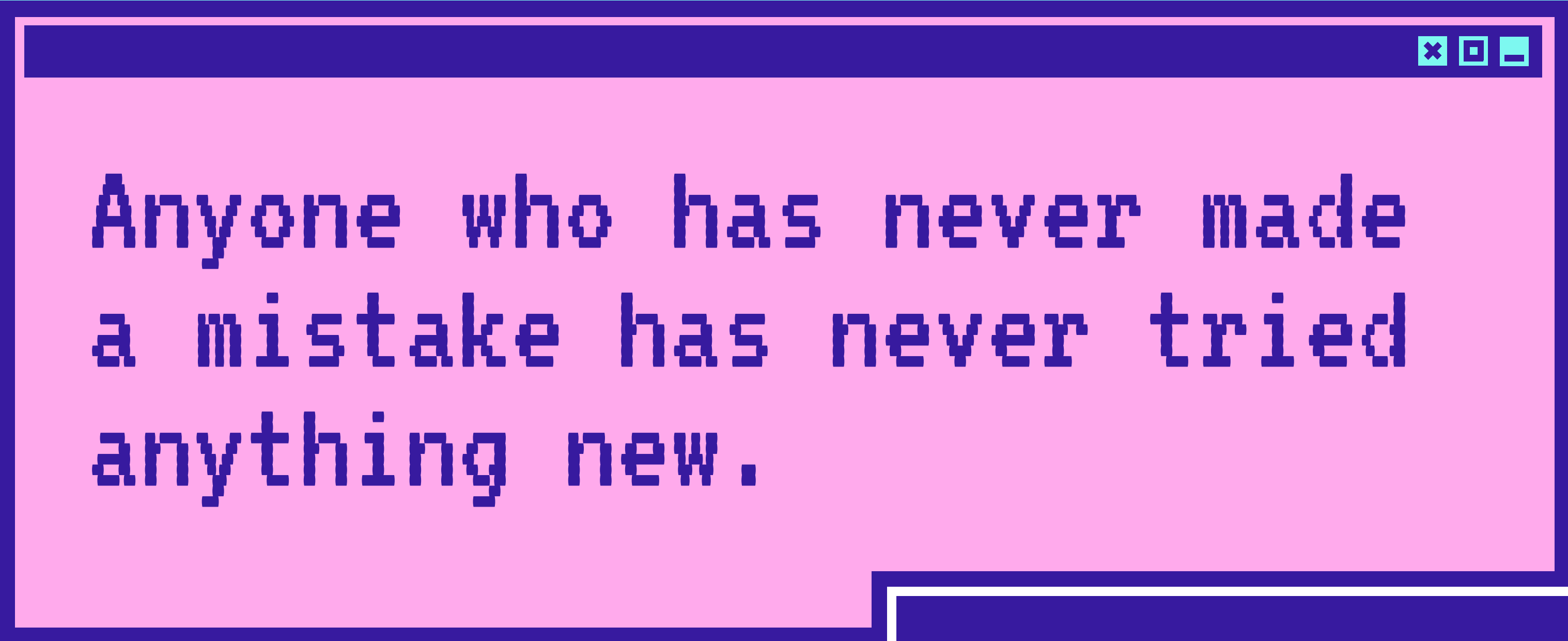




PRESENTATION OVERVIEW



WHY DO SOFTWARE PROJECTS FAIL?
CASE STUDY
SOLUTIONS
TAKEAWAYS



Anyone who has never made
a mistake has never tried
anything new.



-ALBERT EINSTEIN



1. Unrealistic or unarticulated project goals
2. Inaccurate estimates of needed resources
3. Badly defined system requirements
4. Poor reporting of the project's status
5. Unmanaged risks
6. Poor communication among customers, developers, and users
7. Use of immature technology
8. Inability to handle the project's complexity



WHAT CAUSES SOFTWARE PROJECTS TO FAIL?

According to Robert Charette,
risk management expert



CASE STUDY

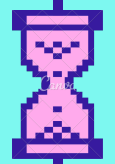
Class project

Browser-based GUI

Requirements

Skills

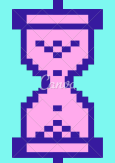
Expectations



SCHEDULING



RESEARCHING



CODING



TESTING



PROBLEMS

Short timeline
Requirements
Skill levels

SOLUTIONS

Flexibility
Schedule buffering
Informed planning





TAKEAWAYS



IMPORTANCE OF REALISTIC
SCHEDULING



FLEXIBILITY



CONTINGENCY PLANS

I HAVE NOT FAILED.
I HAVE JUST FOUND 10,000
WAYS THAT WON'T WORK.

- THOMAS A. EDISON

