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

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

-ALBERT EINSTEIN
WHAT CAUSES SOFTWARE PROJECTS TO FAIL?

According to Robert Charette, risk management expert

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
CASE STUDY

Class project
Browser-based GUI
Requirements
Skills
Expectations
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
THANK YOU
QUESTIONS?