Video Game Design & Development Methodologies

(For internal use only)



Admin Stuff

- Dan Cermak
- Office Hours: By Appt. will make myself available most MWFs
- My Email: dcermak@Illinois.edu
- Phone: 217 778 5596



Who am I?

35 years in the video game industry

Self taught programmer

Designed, programmed & shipped 2 games

Spent 11 years doing external development

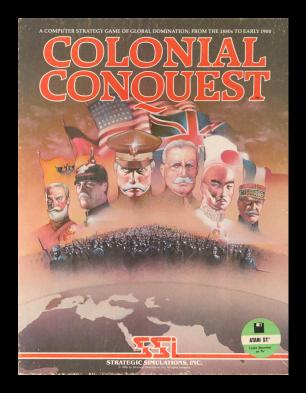
• Taught me communication and information gathering

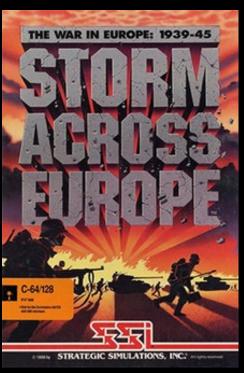
Basically a production guy with lots of design input

• Game development from all sides

Last 15 years I was responsible for Volition game Dev.

• Experimented with various structures/methodologies







My 30 Game Industry Career had its ups and downs



SSI: Developer and Publisher – PROS

- Amazing people
- The golden age, worked on every kind of game imaginable
- Produced in every genre (Sports, RTS, RPG, Adventure, Wargames, & Shooters)
- Learned production processes
- Filled about every position in the hierarchy

SSI: Developer and Publisher – CONS

- Did external production primary, missed some team management processes
- The company was privately owned, couldn't sustain itself
- Had to sell (3 times) and each new buyer was an adventure in ineptitude
- Went through a layoff



My 30 Game Industry Career



EA: Westwood – PROS

- Great group of people, very professional
- Interfaced with EA Studio Execs daily
- Learned a lot of high-level elements
- Got to meet some amazing designers



EA: Westwood – CONS

- EA Studio Management was broken, politics & BS.
- Studio had an odd culture of secrecy, & mistrust
- Studio direction was off...



My 30 Game Industry Career



Volition: - PROS

- Latitude to set structure and process
- Really smart, amazing teams
- Great culture
- Saw some success, SR3 hit 6 million
- Location meant that corp. stayed away





Volition: - CONS

- 2 Product lines in cycle, 1 wasn't a hit
- Stockholders meant time constraints
- To be AAA (high end), you need big bucks
- Location made it tough to hire
- Bankruptcy



CS 498 Goals and Expectations

General

- Set up the project teams as soon as possible
- Complete the projects via a simplified project plan
- Discuss game development (design elements, key considerations)
- Go into more detail about the Design and Production processes
- Present a survey of the video game industry, studios and projects



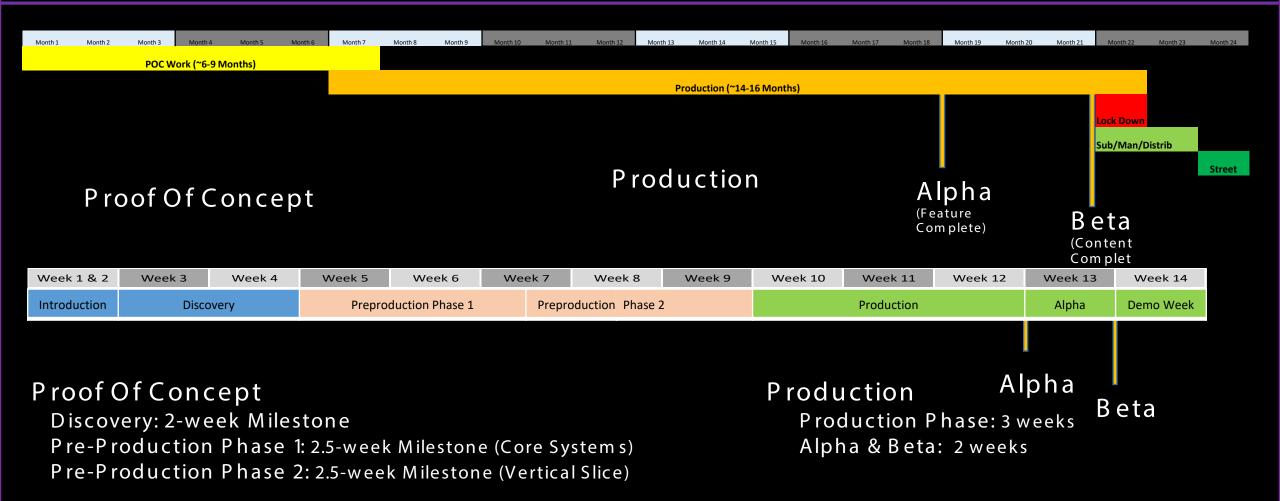
CS 498 Projects

Projects

- Small game projects of your own design
- Team sizes of 4-5 preferred (we prefer not to create 6 person teams)
 - Consideration is given to those that want to work together
 - We also consider the student tenure (3 seniors could be considered okay)
 - A survey will go out shortly to see what you are interested in creating
- Develop the key elements of the projects via a set of templates
 - Figure out an initial game vision
 - Get the Game World or Environment clearly defined
 - Project Plan details
 - High & Mid-level design
 - Simple production documents
- Experience tells us that design scope is usually the biggest issue
 - Documentation & ongoing development (progress throughout the semester) are key to success



Game Production: What we are going to do

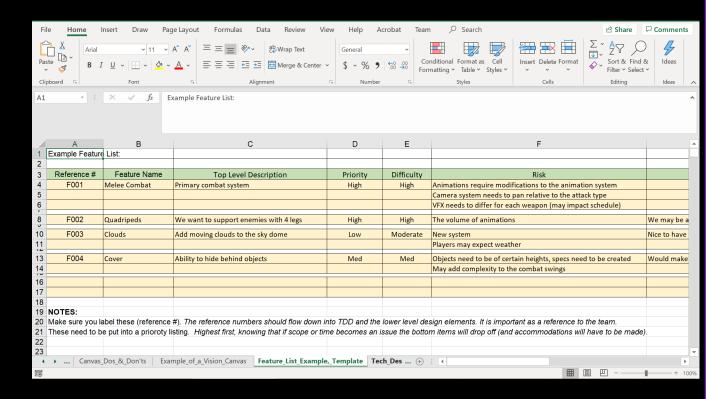




CS 498 Project Plan

Google Sheet Workbook

- World Description Template
 - Could easily be a Word or Docs File
- Vision Canvas Template
 - includes a Dos & Don'ts version
- Feature List Template
- Technical Design Template
- Asset list (cumulative for all milestones)
- 3 Milestone Templates
- QC Test Plan Template



This is abbreviated because we are building the design and project in one semester

