



GMAM702: Prototyping for Game

## 3: Physical Prototyping





- ► Prototype Due Date
- Design Goals
- ► Physical Prototyping

## First Prototype - DIY

Due Today 5pm!





## **Design Goals**

#### Intro

- As a designer it is important to have sort of intent
- It is important to think of what kind of response you want from your audience
- Þ

### Design Pillars

- Something about your game that everything should revolve around
- Establish once the your are in production
- Better for larger games
- Traditionally this is focused on mechanics but try to think about emotions you want at the core of your game

## Audience/Player Experience Goals

- Less rigid than Design Pillars
- You should focus on the emotional journey you want the player to go on
- ► This should inform your design process at all times
- If a feature detracts from this experience then cut it

#### Constraints

- Constraints are drivers for creativity
- As a Designer you will bump up against them
- The Friction caused will cause you to think of ideas to beat the constraints
- Or to bend them to your will and use them in your design

#### Game Design Macro

- ► Monolithic Design Docs are not very useful
- No-one in the team reads them
- Document is slow to evolve
- Game Design Macro attempts to capture the high level design

#### Game Design Macro

#### Design Goals, Macro & Schedule

#### Audience Experience Goals:

E.g. a game that makes the player laugh out loud

#### Design Goals:

E.g. a first-person game that uses colour

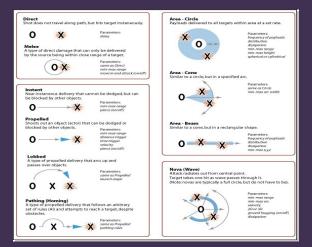
#### Design Macro and Schedule:

		Asset of Feature Name	Туре	Time Estimate	Done!
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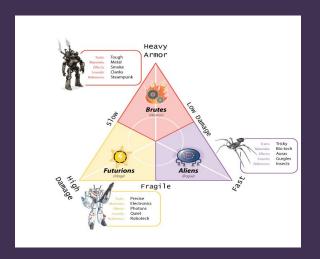
## One Page Designs

- First described by Stone Librande (Riot Games)
- Instead of writing a Design Doc
- You write a series of one page design docs which detail some aspect of the game
- This could be a map, a visual description of the combat, relationship between characters

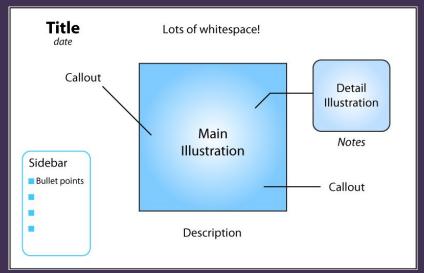
#### One Page Designs



## One Page Designs



## One Page Design Template



#### One Page Design Benefits

- Forces a complete understanding of the game
- Forces a concise design
- ▶ Highlights relationships
- ► Aids problem solving







#### Intro

- Are the easiest for designers to construct
- Usually created from
  - ► hand-drawn items
  - found objects
  - boardgame pieces



- ▶ Two approaches
  - Focus on gameplay (see below)
  - ▶ Mock up what the game would play like

#### Benefits of Paper

- Allows you to focus on gameplay rather than technology
- Easier to iterate
- Easier to amend, can respond in real time to player feedback

### Physical Prototyping Hints

- In early iterations pay no attention to art work
- Build a representation of your core gameplay
- Designing the space (board) will give you an idea how your units will move
- Designing basic objects will help you build relationships in your game
- Try to keep the ruleset simple, only add a rule to make the gameplay playable

#### Physical Prototyping Issues

- Not great for tracking lots of information
- Game rhythm issues, physical prototypes tend to have a rigid turn structure
- Difficult to prototype Kinesthetics



# Due Friday 5pm on Week 5!

#### References

- ► Fullerton, T., 2018. Game design workshop: a playcentric approach to creating innovative games. AK Peters/CRC Press.
- ► Building a Paper Prototype For Your Narrative Design https://www.youtube.com/watch?v=taxcb\_51EI8
- ▶ https://perspectivesingamedesign.com/ paper-prototyping-and-iterative-design-part-1-b

- ► Innovation Through Better Design Pillars https://www.gdcvault.com/browse/gdc-17/play/1024176
- ► One-Page Designs https: //www.gdcvault.com/play/1012356/One-Page