INTRODUCTION TO GAME DESIGN

CSD2511 - Week 02

Lecturer . Jonathan Kwek

Before we begin

- Use the first 15 minutes to settle in
 - Sign your attendance
 - Log into your workstation
 - Log into Moodle, specifically CSD2511 module
 - Log out from your game, application, communication, chats
 - Prime yourself physically for the next hour, ie. Finish your food,
 fill up your water, visit the restroom, get comfy
 - Prime yourself mentally for the next hour, ie. Recall what happened during last week's session, put a save point on any ongoing conundrums, meditate on what to do this morning

Recap

Before this Friday

WEEK 01 - TUESDAY

- Register a Figma account
- Do not form teams just yet
- Check out some card games!
 - https://store.steampowered.com/app/1367020/Storybook_Brawl/
 - https://store.steampowered.com/app/544810/KARDS__The_WWII_Card_Game/
 - https://store.steampowered.com/app/1449850/YuGiOh_Master_Duel/
 - https://store.steampowered.com/app/1284410/GWENT_The_Witcher_Card_Game/
 - https://magic.wizards.com/en/mtgarena
 - https://www.pokemon.com/us/pokemon-tcg/play-online/

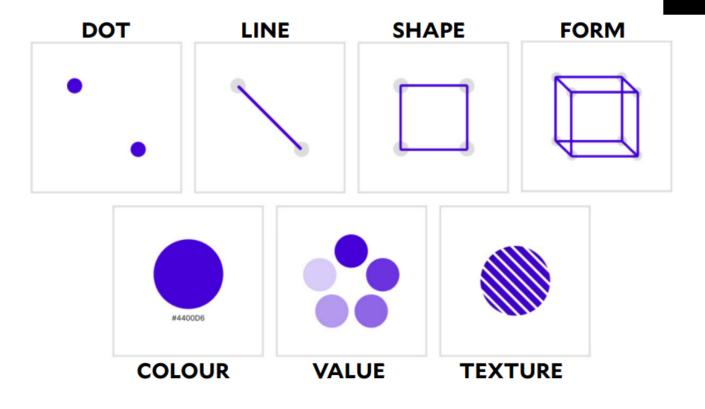
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PRINCIPLES OF DESIGN

Alignment Repetition Contrast Hierarchy Balance – Symmetry Balance – Tension WEEK 01 - THURSDAY

WEEK 01 - THURSDAY

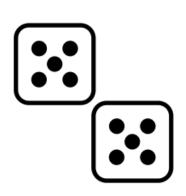
ELEMENTS OF DESIGN

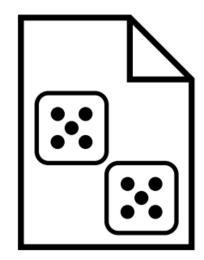


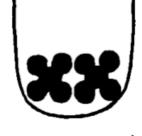
 $\underline{https://bootcamp.uxdesign.cc/7-elements-of-design-for-visual-communication-88c8decd1022}$

WEEK 01 - THURSDAY









WEEK	Ω 1	IDCDVV
VVEEN	ОД –	RSDAY

Dice Cube

Component

Cards Paper Generate random numbers and form combinations

Purpose

Material

Dominos Tablet

Mechanic	Description	Example(s)	
Outlay	Play a card from hand		
Exchange	Exchange cards with others or pool Swap cards with others	WEEK 01 - THURSDA	ΑY
	Pass cards to others	Old Maid, Spoons	
	Take cards from others	Go Fish, Quartets	
Compare	Compare cards with others Banking: compete against common source Vying: bet against other players and fold Showdown: compare hands with others	Baccarat, Blackjack Poker, Brag Bone Ace, Ging	
Take Tricks	Win trick by playing one card in a round	Euchre, Hearts	
Match	Form groups and combinations	Rummy, Mahjong	
Accumulate	Take all the cards	War, Slapjack	
Shed	Get rid of all your cards	Crazy Eights, Speed	
Fish	Capture cards from a common pool	Cassino, Scopa	
Draw and Discard	Draw one card, discard another	Canasta, Golf	

Module Matters

- Scam warning
- Module Profile
- Afternoon sessions
- Assignment Brief

Today

- Figma workshop
- Gallery Walk
- Team formation

Figma Workshop

- Complete workshop tasks within 30mins
- Copy your works to < Gallery Walk >
 - https://www.figma.com/file/xkJyDh6BDVxVTpv34LMzZ9/GalleryWalk ?type=design&node-id=0%3A1&t=SzrOhhlGmkRIJjYb-1

WARM UP

Basic Figma Operations

- ☐ Create Team
- ☐ Create Design File
- \square Create Frame \rightarrow set dimensions of Frame \rightarrow Rename Frame
- ☐ Place a few Shapes inside of Frame → Group them together
- ☐ Add Text → Font/Fill/Stroke
- ☐ Place custom image
- ☐ Create colour palette using Local Styles
- ☐ Export PNG

CREATE YOUR OWN PLAYER CARD

- Create your own Animal Spirit Trading Card using Figma and post it in the Gallery Walk link
- You must comply with certain guidelines, but you are free to decide on the layout, colours, orientation and avatar image
- You will need to input some data into the card, please do so as honestly as possible

- ❖ Card Name
 - You must give your Animal Spirit a name
 - You may affix a title to its name, "Ron the Ambitious" (from table)
 - You must define your Animal Spirit (from table)
 - You must define its active time-of-day (from table)

RON

Name of your Animal Spirit

Title

Ape Spirit

Type of Animal Spirit

Dawn

Active Time of Day

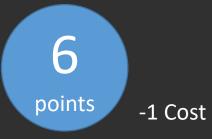
Title	Spirit Type	Active Time of Day
Dominator	Cat Spirit	Dawn
Slayer	Dog Spirit	Noon
Victorious	Bear Spirit	Dusk
Creative	Bird Spirit	Midnight
Wise	Ape Spirit	
Artist	Reptile Spirit	
Giant	Dinosaur Spirit	
Builder	Equine Spirit	
Epic	Pig Spirit	
Reader	Fish Spirit	
Tinkerer	Insect Spirit	
Collector	Plant Spirit	

- Stats
- Your card must display TWO stats:
 - an OFFENSIVE stat and a DEFENSIVE stat
- You may decide what value each stat is, by assigning points from a pool
- There must be at least 1 point in the DEFENSIVE stat
- To determine how many points is in your pool, see next slide



❖ Point Pool

	Condition	Points received
	If you are born between January and June	+3 points
√	If you are born between July and December	+2 points, -1 cost
Ĭ	If you enjoy playing PC/Console games	+1 point
√	If you enjoy playing tabletop games	+1 point
	If you have any accomplishments or titles in gaming, please include in the card	+1 point
3 🗆	Roll a 1d4	+1d4 point(s)



Cost

- Your card must display a COST stat
- The COST stat is derived from the sum total of points in the pool
- Refer to the table below

Total Points in Pool	COST
If the total points in pool is 3/4/5	Cost = 1
If the total points in pool is 6/7/8	Cost = 2
If the total points in pool is 9/10	Cost = 3

6
points -1 Cost

1 Cost

Make sure you have the following parameters:

- 1. Card name
- 2. Offensive stat
- 3. Defensive stat
- 4. Cost
- 5. Gaming title/accomplishment (if any)

#2 MEDIA

Avatar

- You must display an image to represent your Animal Spirit
- You may download and modify an image from Flaticon.com
 - https://www.flaticon.com/
- You may create your own image
- If you drew the art yourself, please credit at the bottom
 - © Your Name



#2 MEDIA

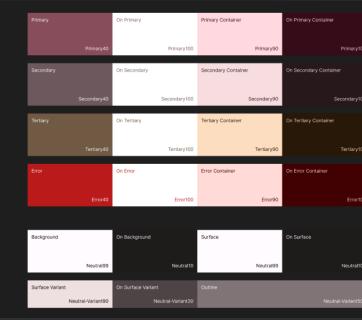
- !cons
 - You may use icons from Kenney art assets without attribution
 - https://www.kenney.nl/assets/board-game-icons



#3 COLOURS

- Colour Palette
 - You must create a colour palette before assigning colours to your card
 - Use Figma's MATERIAL THEME BUILDER plugin to generate a colour palette from a reference image
 - https://www.figma.com/community/plugin/1034969338659738588/Material-Theme-Builder

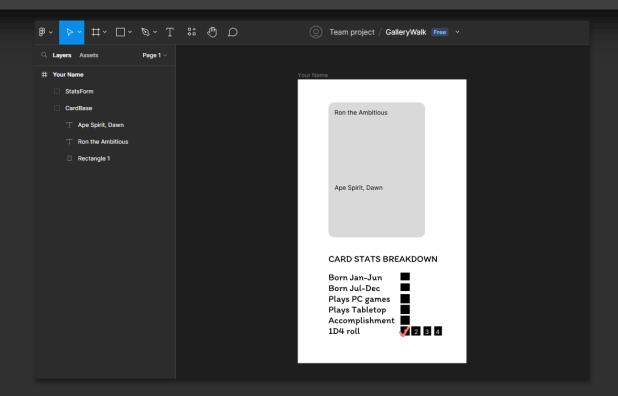




#4 LAYOUT

Dimensions

- You must create a FRAME in Figma measuring W110 x H185
- Rename the FRAME with your full name
- You must create a CARD BASE within the frame measuring W63 x
 H88 for Portrait, or W88 x H63 for Landscape

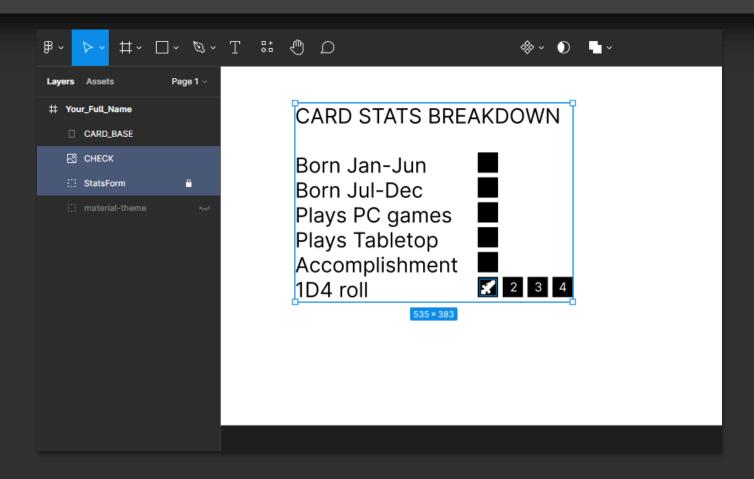


#4 LAYOUT

- Orientation
 - You may choose the orientation of your card: Portrait or Landscape

#4 LAYOUT

- Stats Breakdown
 - Copy the StatsForm and CHECK objects to your Frame
 - Use the CHECK object to indicate your breakdown of points



Figma Workshop

- Complete workshop tasks within 30mins
- Copy your works to < Gallery Walk >
 - https://www.figma.com/file/xkJyDh6BDVxVTpv34LMzZ9/GalleryWalk ?type=design&node-id=0%3A1&t=SzrOhhlGmkRIJjYb-1

30 mins begins now! Remember to have fun with it!

Gallery Walk

AN ADVENTURE IN 40 CARDS



Shigeru Miyamoto, Nintendo





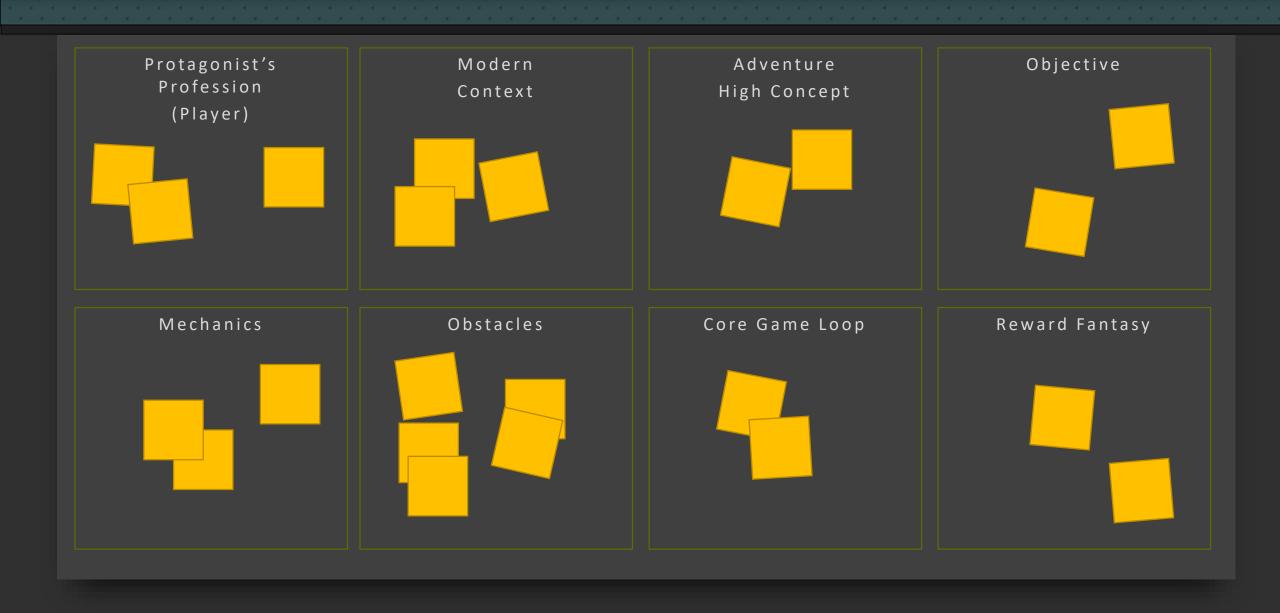


Assignments

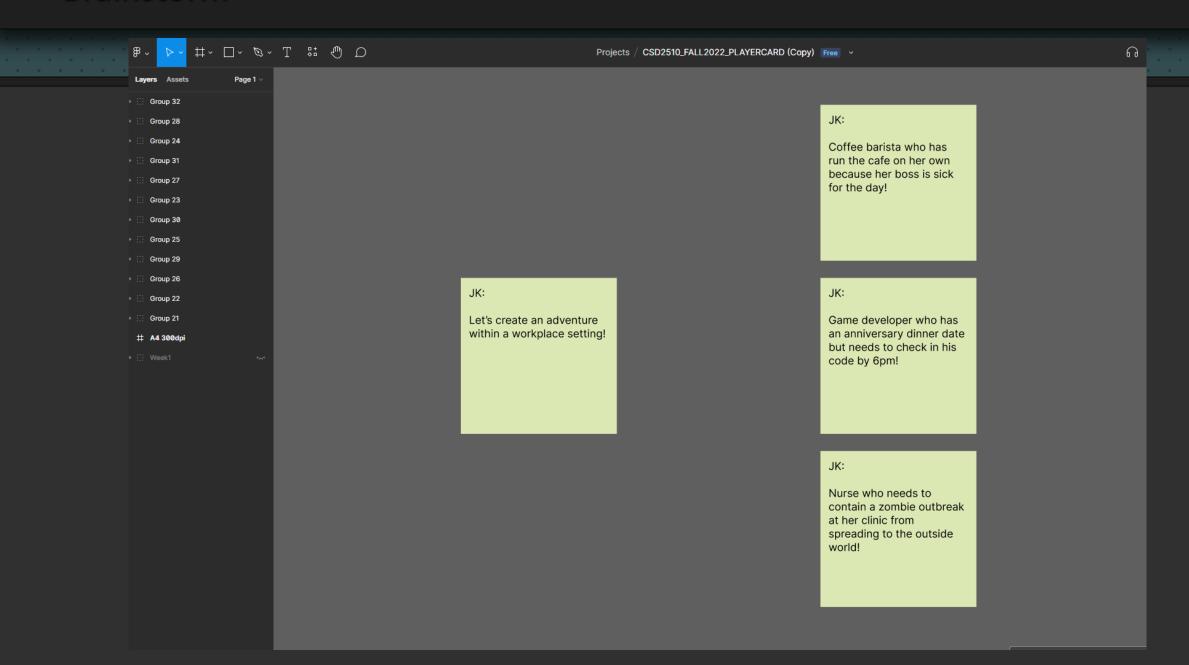
Prototype A – AN ADVENTURE IN 40 CARDS

- ❖ Group Work 4 team members (assemble by beginning of Week 2)
- Pitch and prototype a <u>solo(1 player)</u> card game that takes place within a <u>modern(2023)</u> context(please define)
 - ❖ 1x 4 panel narrative pitch
 - ❖ 1x A4 page rules and setup
 - ❖ 40x card deck
 - ❖ Dice and tokens allowed, no more than 20 in total
 - ❖ No maps/board allowed; game is designed around mechanics and choices
 - ❖ Individual 2x card DLC per team member (total 8)
 - ❖ More details in separate doc
- Submit by beginning of Week 5 (FIGMA/MOODLE)
- Live presentation and recording in Week 5

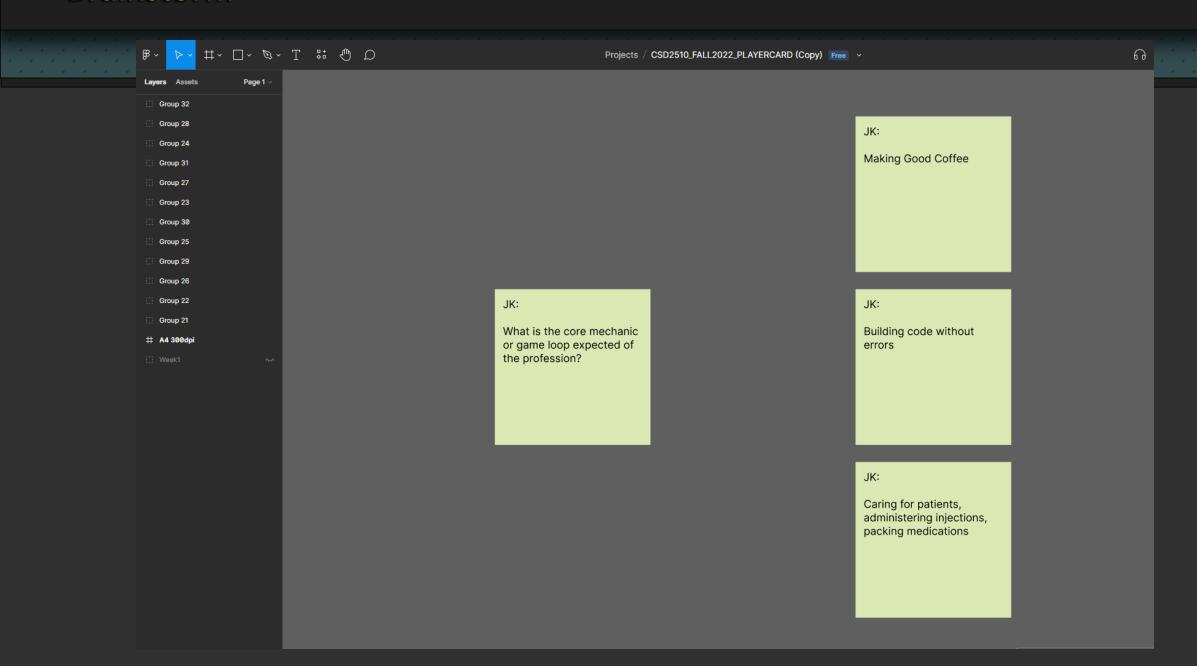
Brainstorm



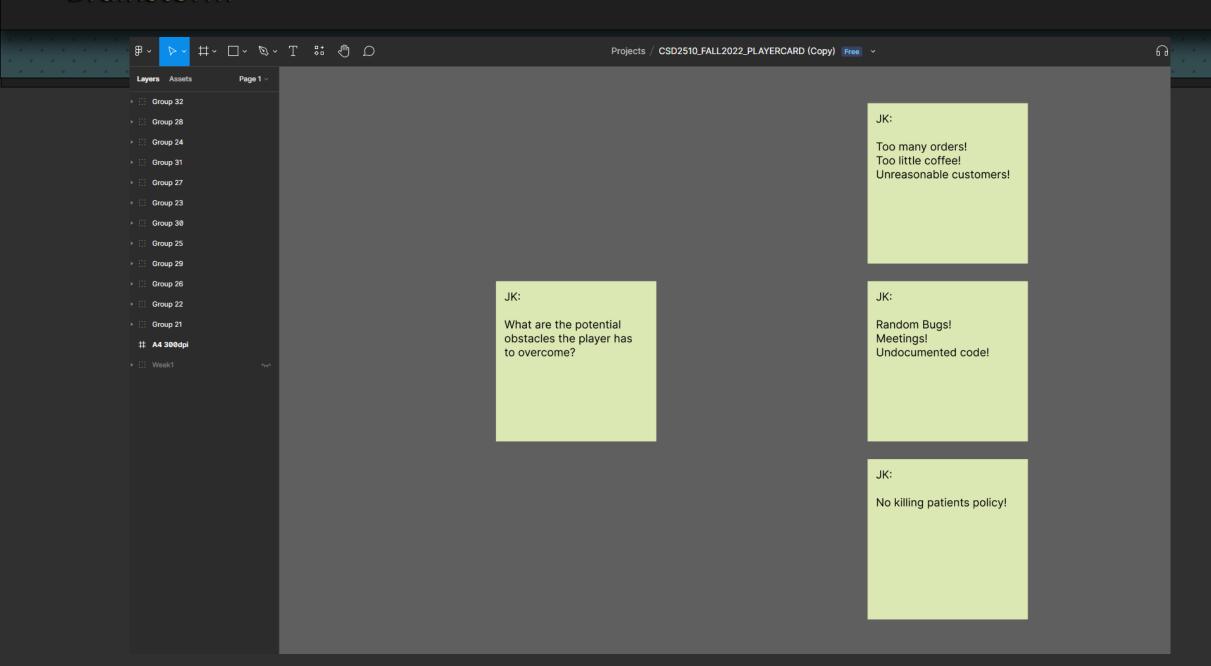
Brainstorm



Brainstorm



Brainstorm



GAME NARRATIVE

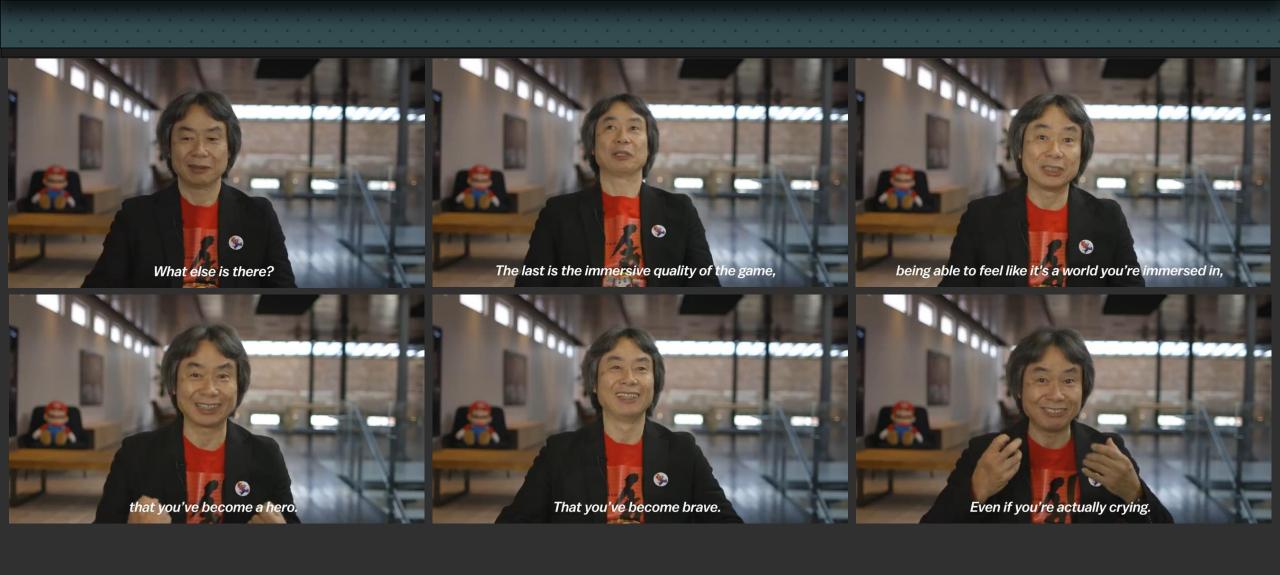
- SET UP
- 2 OBSTACLE
- STRATEGY
- GOAL

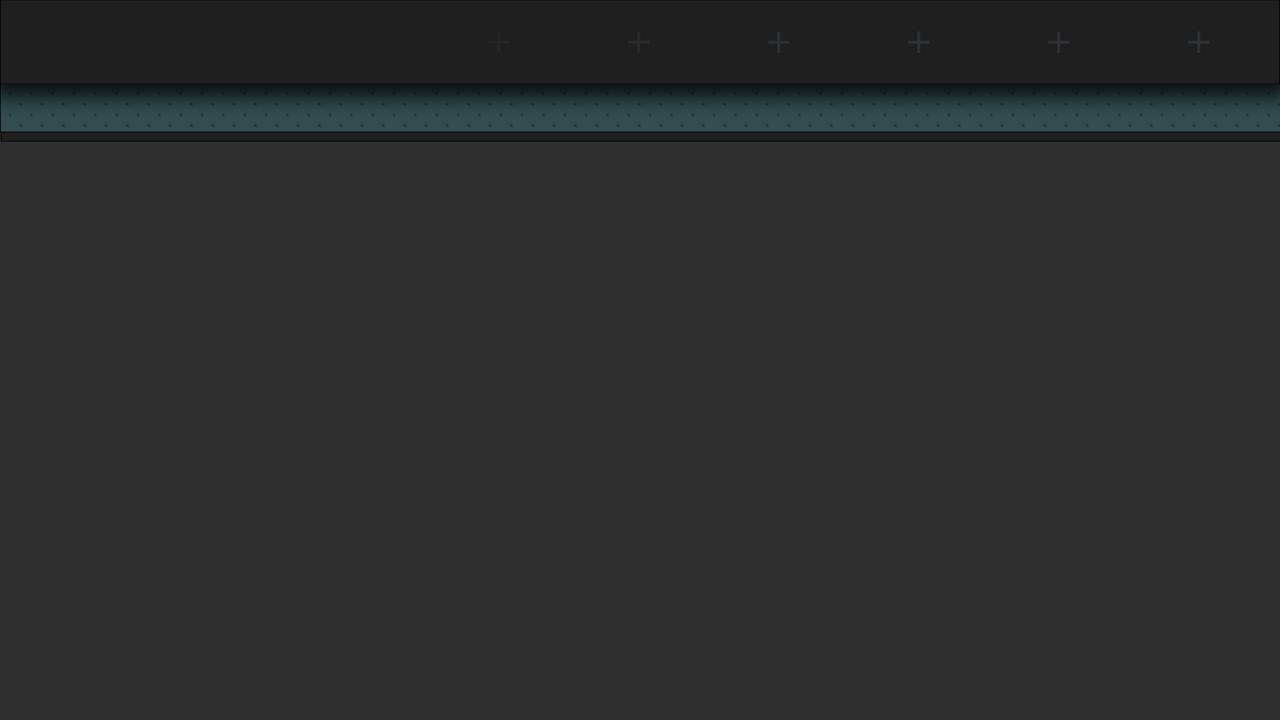
Narrative Pitch

Frame 1	Frame 2	Frame 3	Frame 4
Set up	Obstacle	Strategy	Goal



Shigeru Miyamoto, Nintendo





DESIGN FOR DRAMA

Design a solo-player tabletop card game, for ages 16 and above. The objective of the game is to set players on an adventure within a modern context, as the main protagonist with a clear and epic goal to achieve, through physical play using cards; dice and tokens are allowed to supplement the gameplay.

The gameplay and its systems should be engaging for its target audience, and must be provide different experiences during multiple playthroughs. The average playtime should be around 30-45mins per session.

- One ZIP file, "CSD2511_TeamNumber_A_GameName.zip", containing the following:
 - A text file with team member names and link to Figma page
 - A PDF softcopy of the game's narrative pitch
 - A PDF softcopy of the rule book a detailed explanation of the game's components, rules, board set up and objectives
 - A PDF softcopy of a Print&Play version of your game all gameplay components must be laid out, ready for print
 - Cards gameplay components detailing game rules, events, actions, tasks, etc.
 - Dice gameplay components for generating randomness (optional)
 - Tokens gameplay components for keeping track of the game state, ie. players, cash, score, etc. (optional)
 - A PDF softcopy from each team member containing a 2 card DLC designed by that team member (total 4)

DESIGN SPECIFICATIONS

- Narrative pitch must be in a 4-panel format
- Rulebook is limited to a maximum of two A4 sized pages
- Gameplay cards are must be exactly 40 in total
- · Dice and tokens are optional, and limited to a maximum of 20 in total
- No map, board or positional strategy allowed
- No social mechanics and dexterity based mechanics allowed; mechanics must be based on a quantifiable system established within the cards and rules
- Gameplay "soft-locks", unexpected game-breaking events or easily exploitable strategies will result in heavy penalties
- . The game must have a clear objective/goal(s) for which the player can achieve and conclude the game
- The actions and turn order that players may take or have to take in order to achieve said goal(s) must be clearly articulated
- Ensure that the game has a reasonable amount of random events/resolution mechanics to make outcomes unpredictable, but also provide ways to mitigate the randomness so as to avoid extreme scenarios
- The rules must be thorough and detailed in order to avoid ambiguity and confusion
- The rules must be fair and balanced
- The game systems and mechanics must be thematically relevant and coherent to its proposed fantasy
- The game's theme and language must be socially sensitive and respectful towards religions, race, genders and the game's target age group

- Submission Deadline:
 - Week 5
 - 29th May Monday 11.59pm

Rubric	Value
Compliance Whether the project adhered to the requirements of the deliverables	Excellent/Very Good/Good/Fair/Adequate
Rules	
Whether the rules stated in the rulebook adequately and accurately explained how the game is played and resolved, as well as all its gameplay components	Excellent/Very Good/Good/Fair/Adequate
Gameplay	
Whether the game offered an engaging and smooth flow of activity of its players, with a clear objective to base their strategy and choices on, as well as mechanics that are easy to learn and apply	Excellent/Very Good/Good/Fair/Adequate
Theme	5
Whether the game had a creative and appealing theme that made its game rules and mechanics feel intuitive	Excellent/Very Good/Good/Fair/Adequate
Quality	Evention to Varia
Whether the physical design of the game's components are articulated with good visual clarity and aesthetic appeal	Excellent/Very Good/Good/Fair/Adequate

- ❖ Application of game design fundamentals
 - Clear objective and rules
 - "Good" mechanics and flow
 - * Randomness and Luck mitigation
 - Replayability

Live Presentation

- Even though submission doesn't require it, you will need either a physical or digital version of your game in order to demonstrate and explain your game
- Your presentation will be recorded live

FAQ

- Cards do not have to be in a single deck, can be split into different functions
- A card is not a token and vice versa
- A "layout board" is allowed but only if the positions do not affect the gameplay
- Card dimensions/shape/design is entirely up to you, no restrictions
- Don't be distracted by the title of the assignment
- DLC cards do not add to the 40 card count; core game must be playable without DLC

TEAM FORMATION

- Move your card into your team's box
- If you see an empty slot, you may join that group



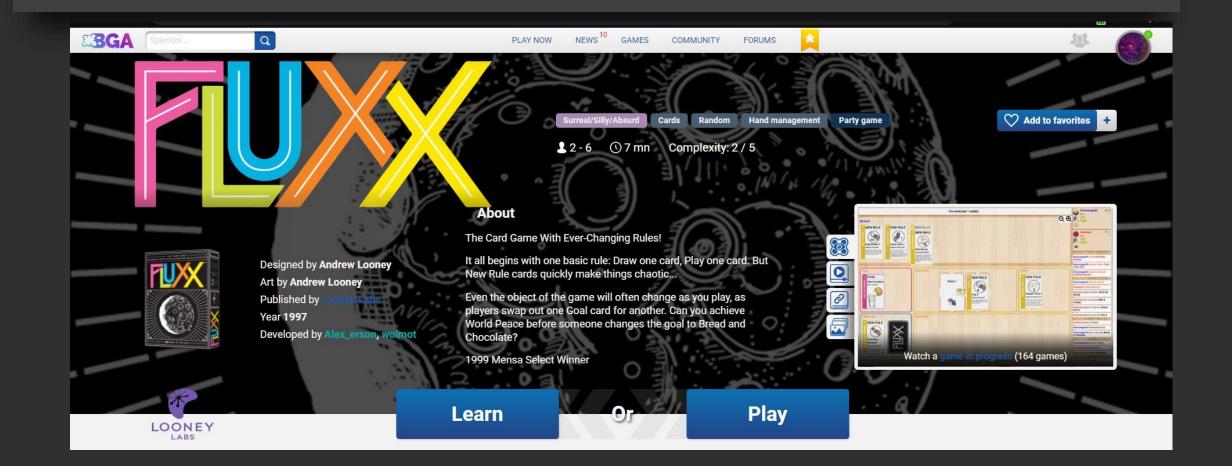
TEAM FORMATION

Get to know your team!

- Play a game together
- Make a game together, like a 90 min game jam

HOMEWORK

- Play FLUXX on Board Game Arena with a teammate
- https://boardgamearena.com/gamepanel?game=fluxx



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PRINCIPLES OF DESIGN

Alignment Repetition Contrast Hierarchy Balance – Symmetry Balance – Tension WEEK 01 - THURSDAY

TEAM FORMATION

- Physically gather in your teams now and introduce yourselves
 - You could start with explaining your Animal Spirit card to the team
 - Create your own team Figma link

