

Design:

Pervasive Game Design Strategies

Mobile and Ubiquitous Games

ICS 163

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Content adapted from:

Pervasive Games: Theory and Design

Experiences on the Boundary between Life and Play



Pervasive Game Design Strategies

- Games Telling Stories
 - First Person Story
 - A game that focusses on one person
 - To make it work
 - Appeal to the narcissism of the player
 - minimize role-playing
 - Personalize the story



Pervasive Game Design Strategies

- PacManhattan
- Tangible Experience Design
- The Magician's Curtain
- Runtime Game Mastering
- Games Telling Stories
- General Issues of Game Design
- Disruption



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Pervasive Game Design Strategies

- General Issues
 - Sustaining Critical Mass
 - Limit the time and space of play
 - Reward extensive play (e.g., staying online)
 - Provide single-player content
 - (e.g., maintenance work, resource allocation)
 - Provide two-player content
 - Conceal the lack of critical mass
 - If players don't know the mass isn't there yet, they won't abandon the game as fast



Pervasive Game Design Strategies

- General Issues
 - Pacing the Game
 - Test and iterate
 - Allow for variable pacing
 - Make it foolproof
 - Don't let one player's delay ruin the game
 - Prepare for dedicated players



Pervasive Game Design Strategies

- General Issues
 - Business Model
 - How this thing is funded has a big impact on the design
 - Dragonbane
 - 1 million euro



Dragonbane

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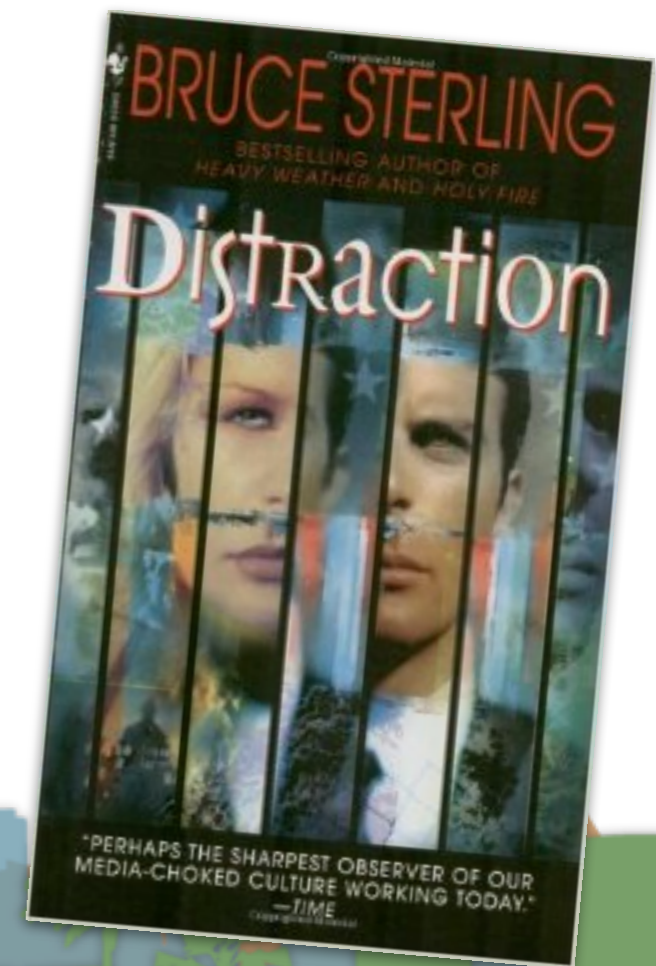
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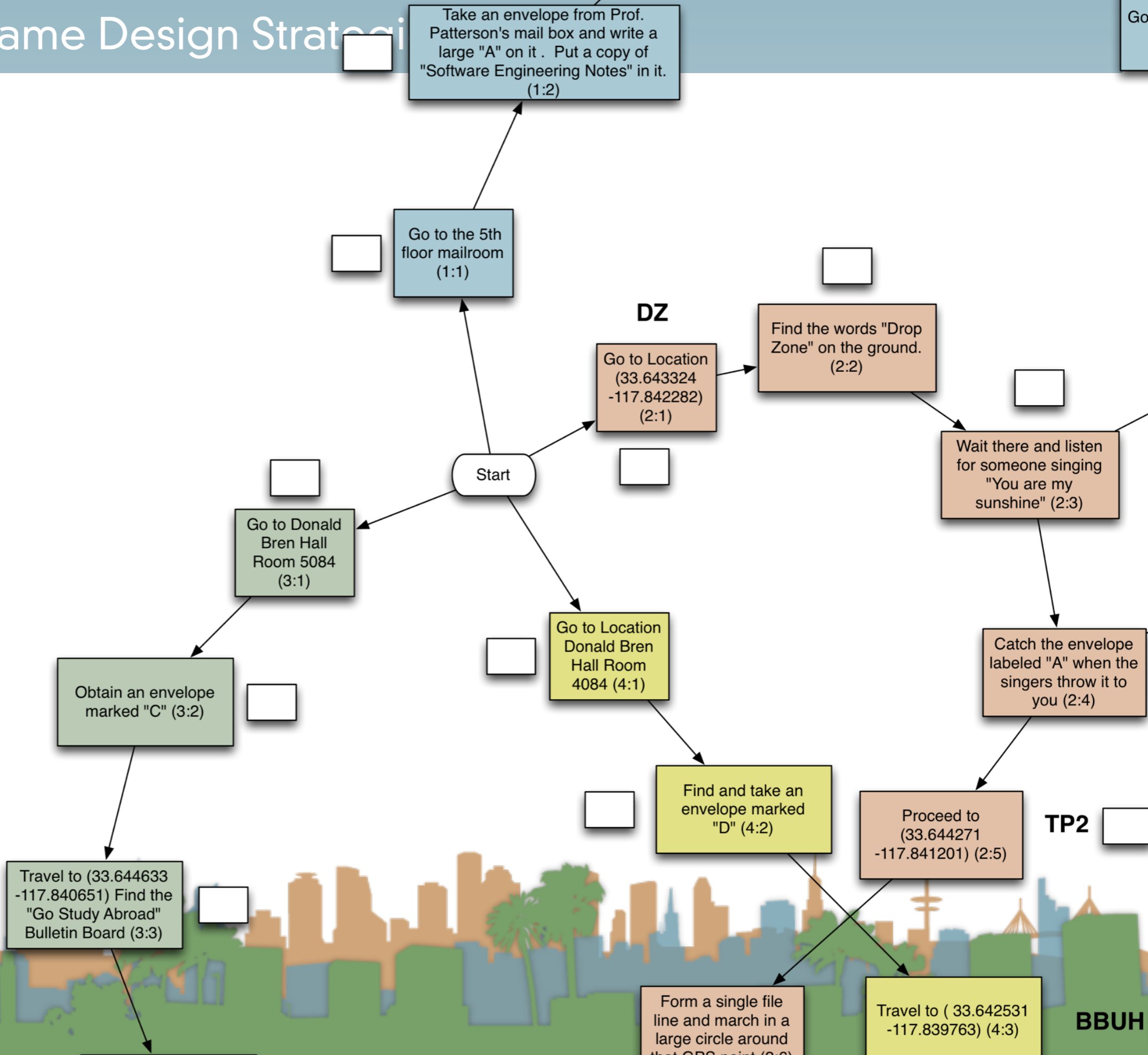


Pervasive Game Design Strategies

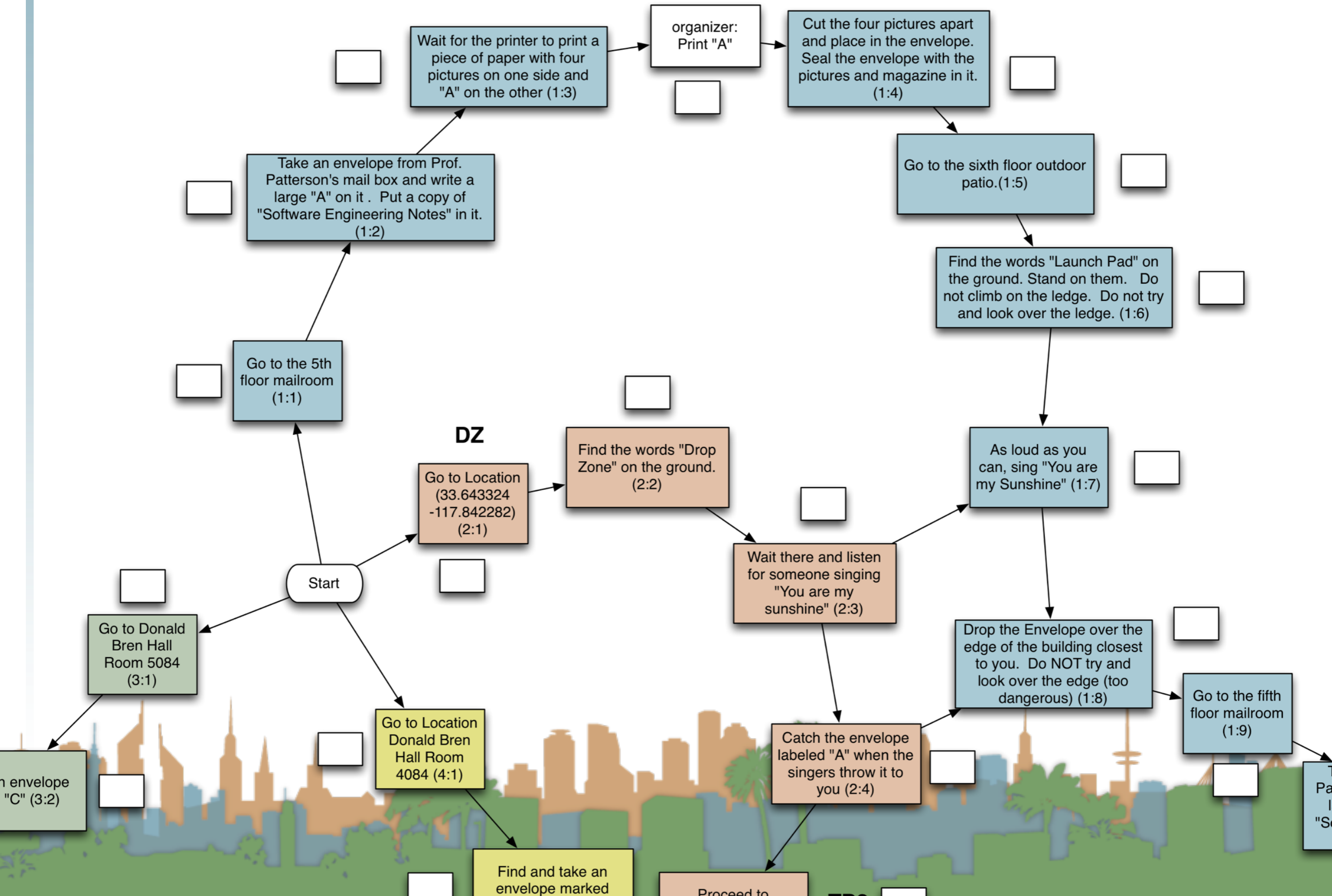
- Disruption
- Goal
 - to physically demonstrate the threat of decentralized action, inspired by Maneki-Neko, Distraction
- Players: Brea-Olinda High School students
 - Split into four teams
- Time frame
 - 2 hours
- Technology
 - text messages, GPS, paper



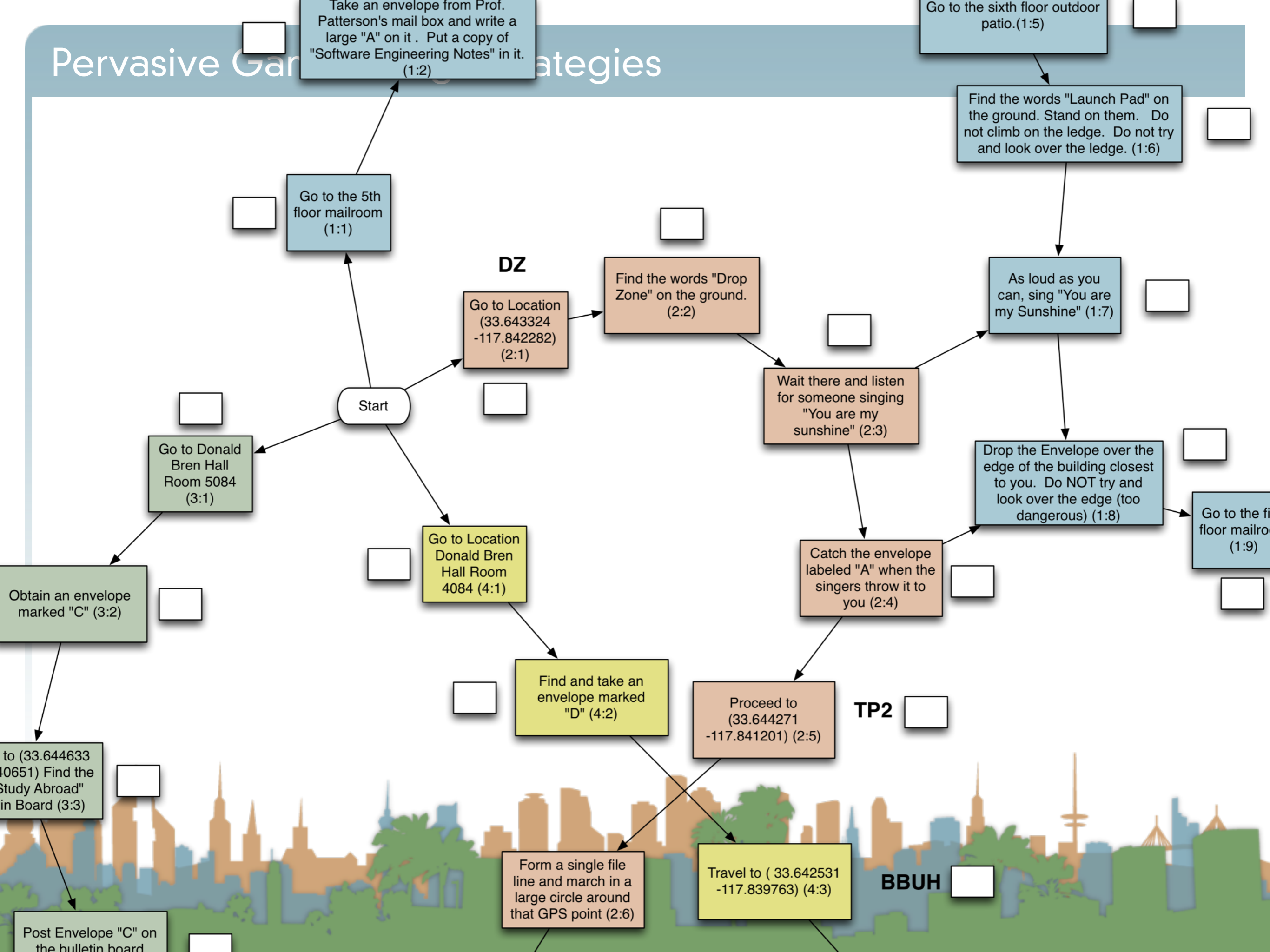
Pervasive Game Design Strategy



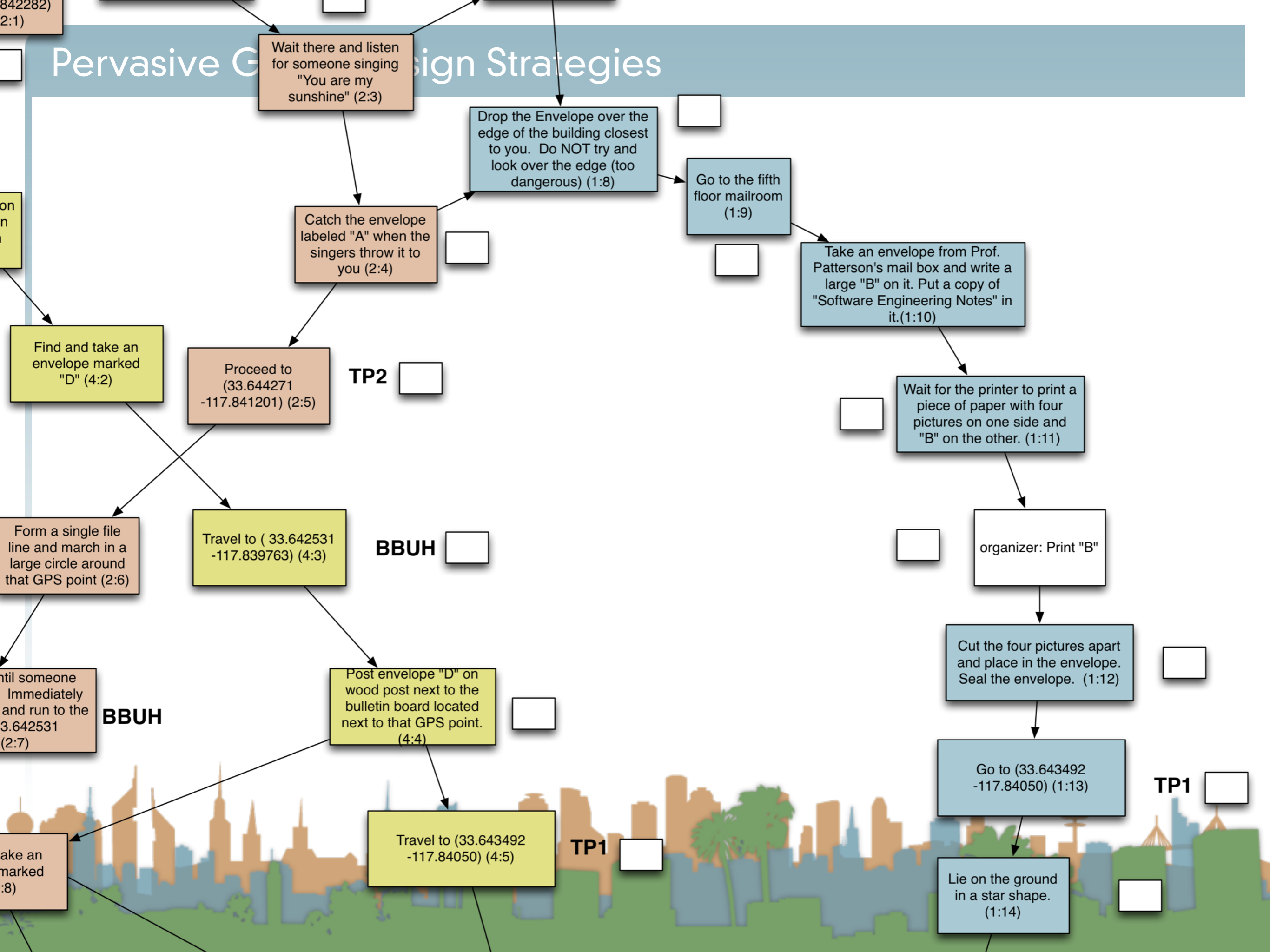
Pervasive Game Design Strategies



Pervasive Game Strategies



Pervasive Game Design Strategies



Wait there and listen for someone singing "You are my sunshine" (2:3)

Drop the Envelope over the edge of the building closest to you. Do NOT try and look over the edge (too dangerous) (1:8)

Go to the fifth floor mailroom (1:9)

Take an envelope from Prof. Patterson's mail box and write a large "B" on it. Put a copy of "Software Engineering Notes" in it.(1:10)

Wait for the printer to print a piece of paper with four pictures on one side and "B" on the other. (1:11)

organizer: Print "B"

Cut the four pictures apart and place in the envelope. Seal the envelope. (1:12)

Go to (33.643492 -117.84050) (1:13)

Lie on the ground in a star shape. (1:14)

Catch the envelope labeled "A" when the singers throw it to you (2:4)

Proceed to (33.644271 -117.841201) (2:5)

Travel to (33.642531 -117.839763) (4:3)

Post envelope "D" on wood post next to the bulletin board located next to that GPS point. (4:4)

Travel to (33.643492 -117.84050) (4:5)

Find and take an envelope marked "D" (4:2)

Form a single file line and march in a large circle around that GPS point (2:6)

Until someone immediately and run to the 3.642531 (2:7)

Drop the envelope marked D (1:8)

TP2

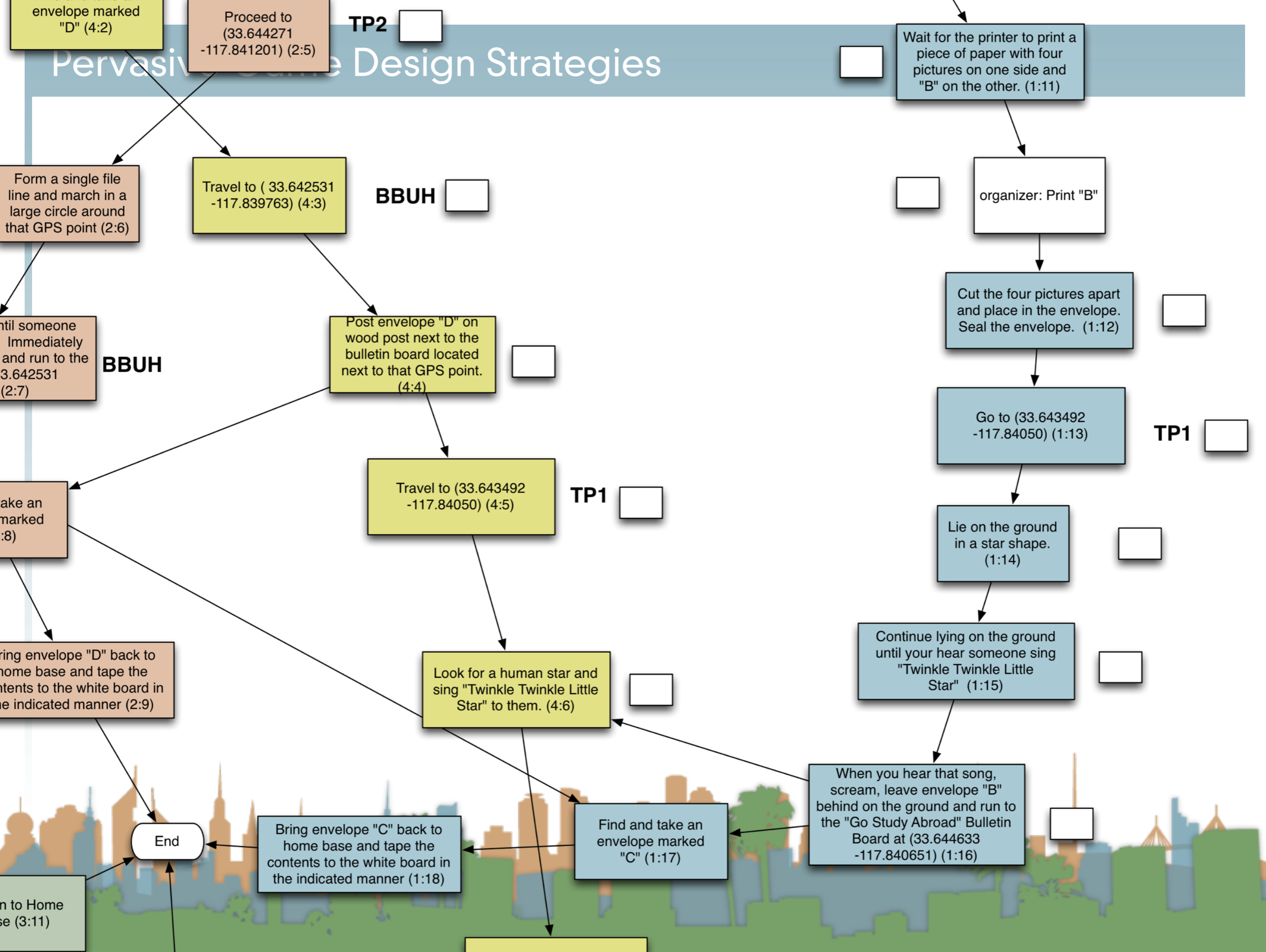
BBUH

BBUH

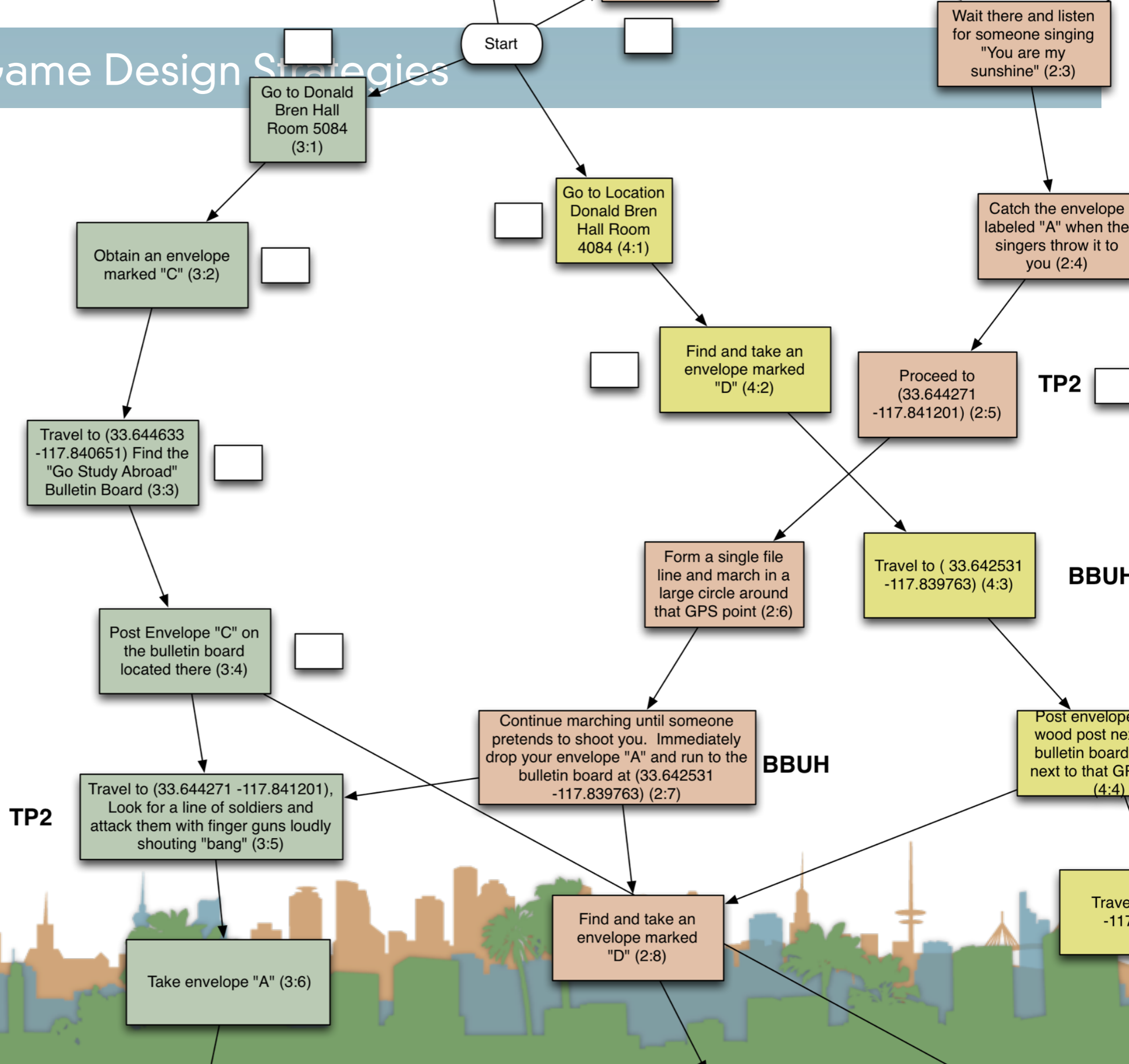
TP1

TP1

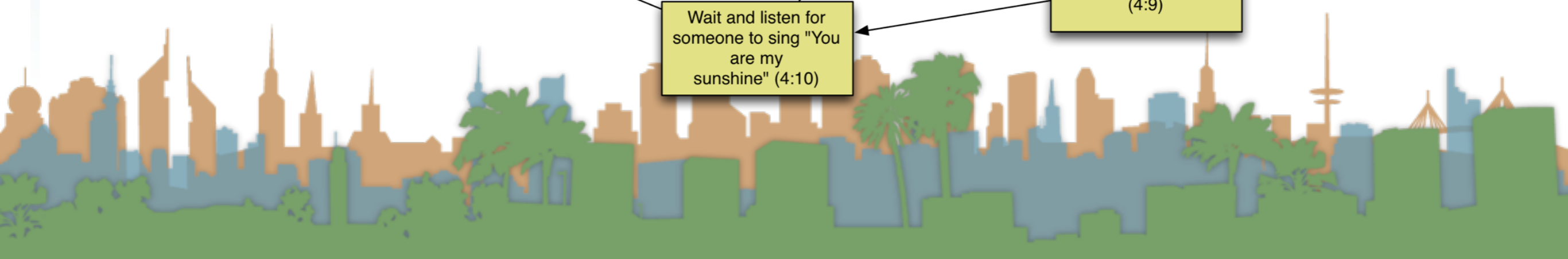
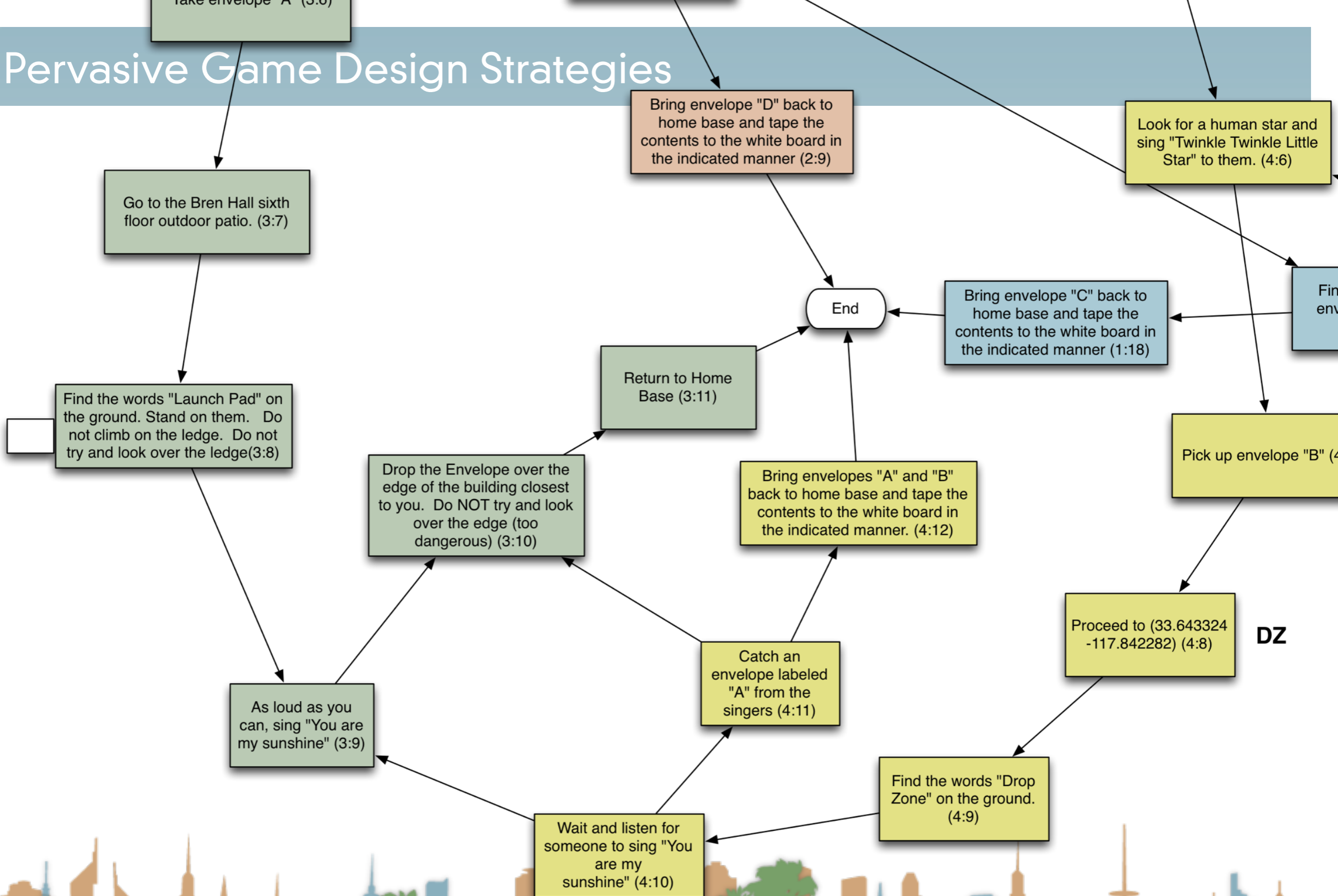
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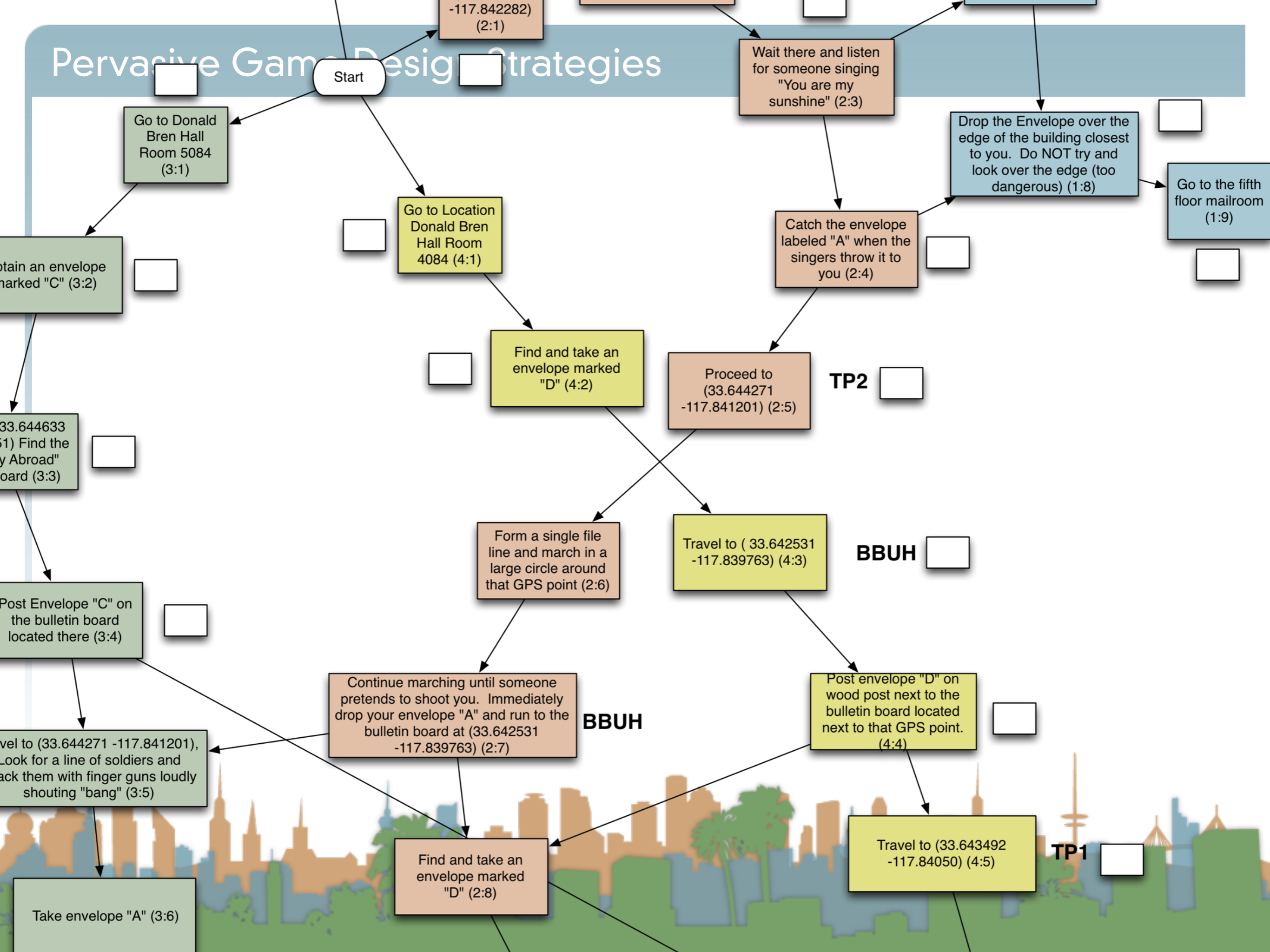
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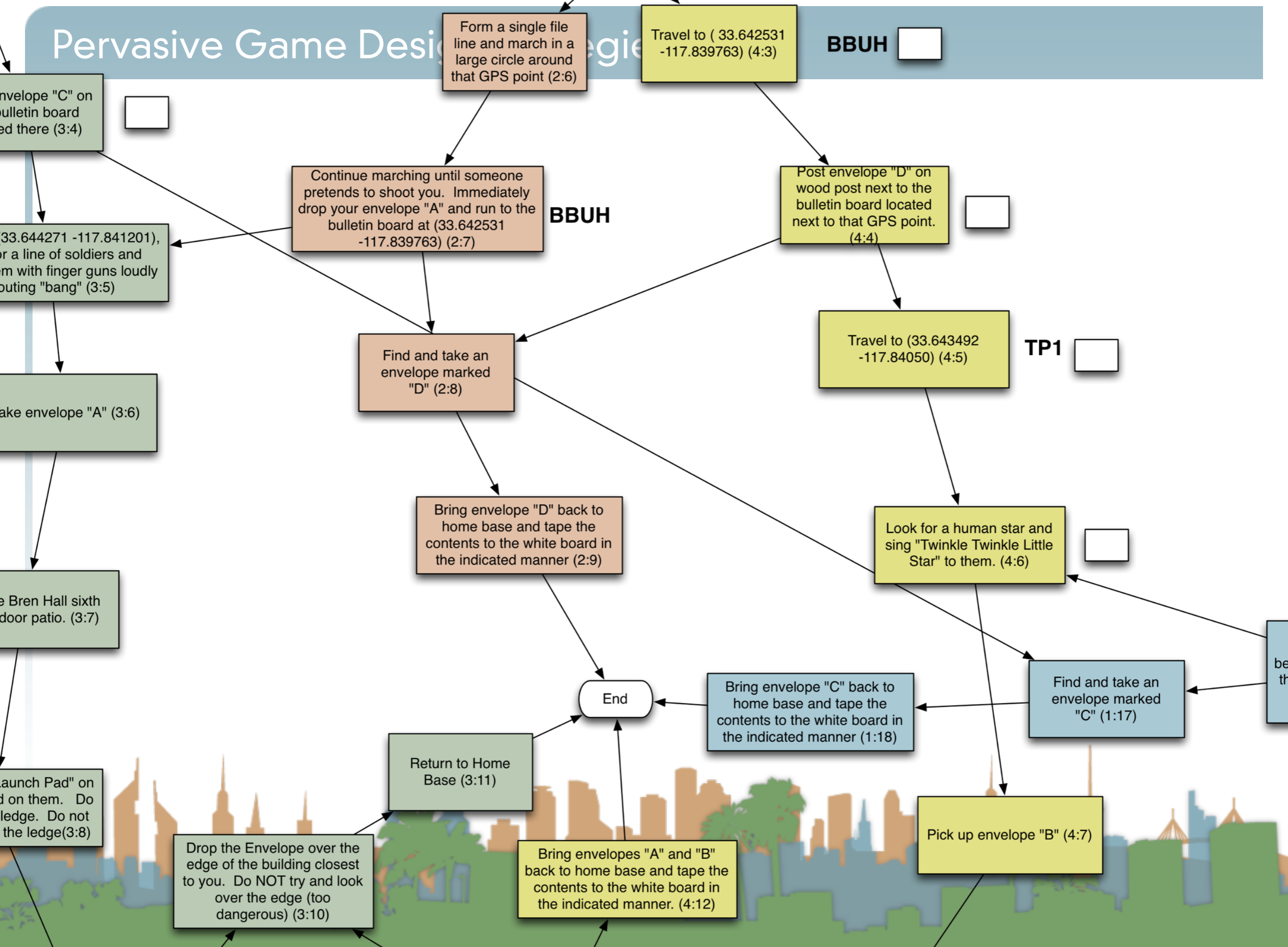
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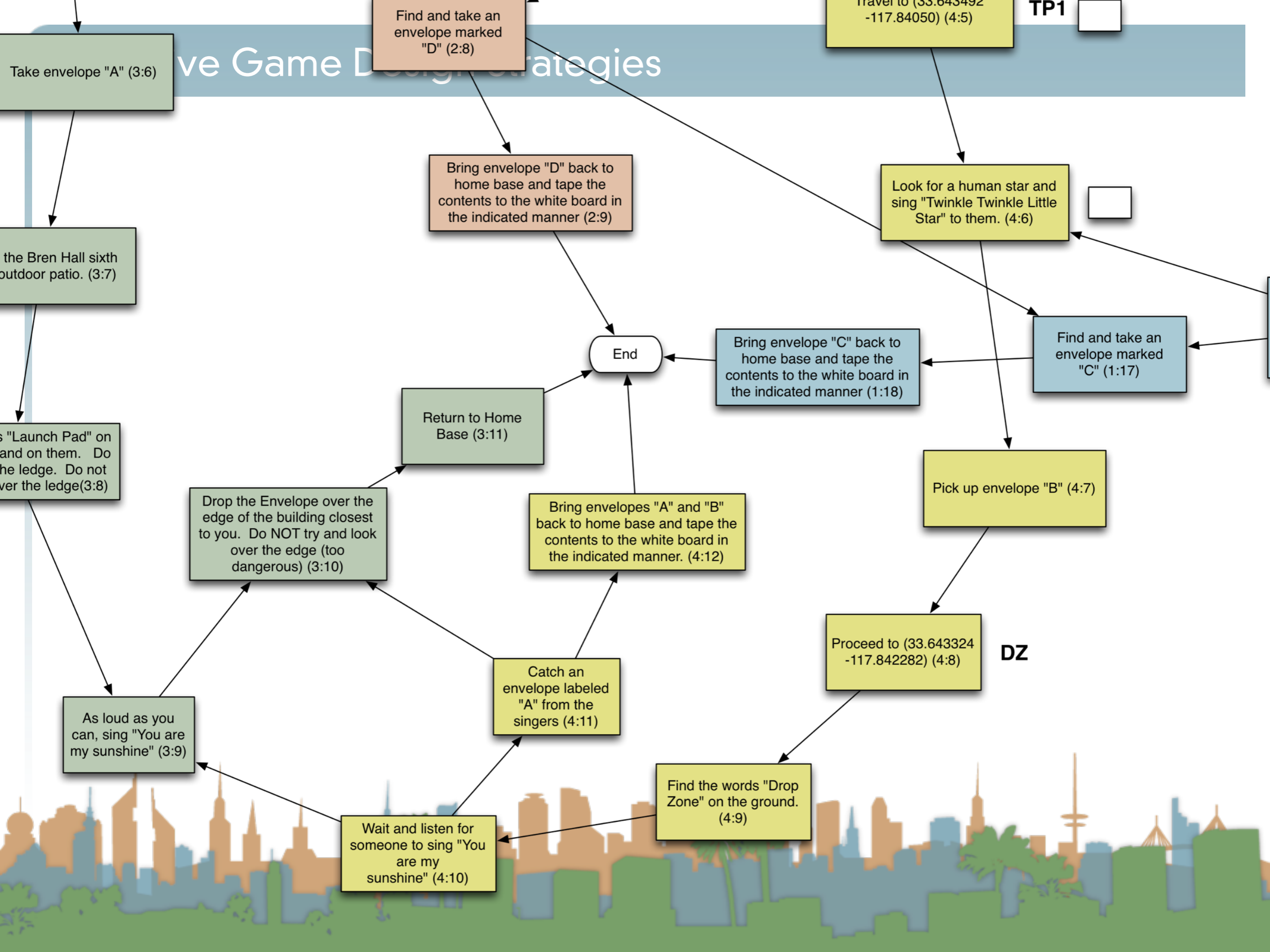
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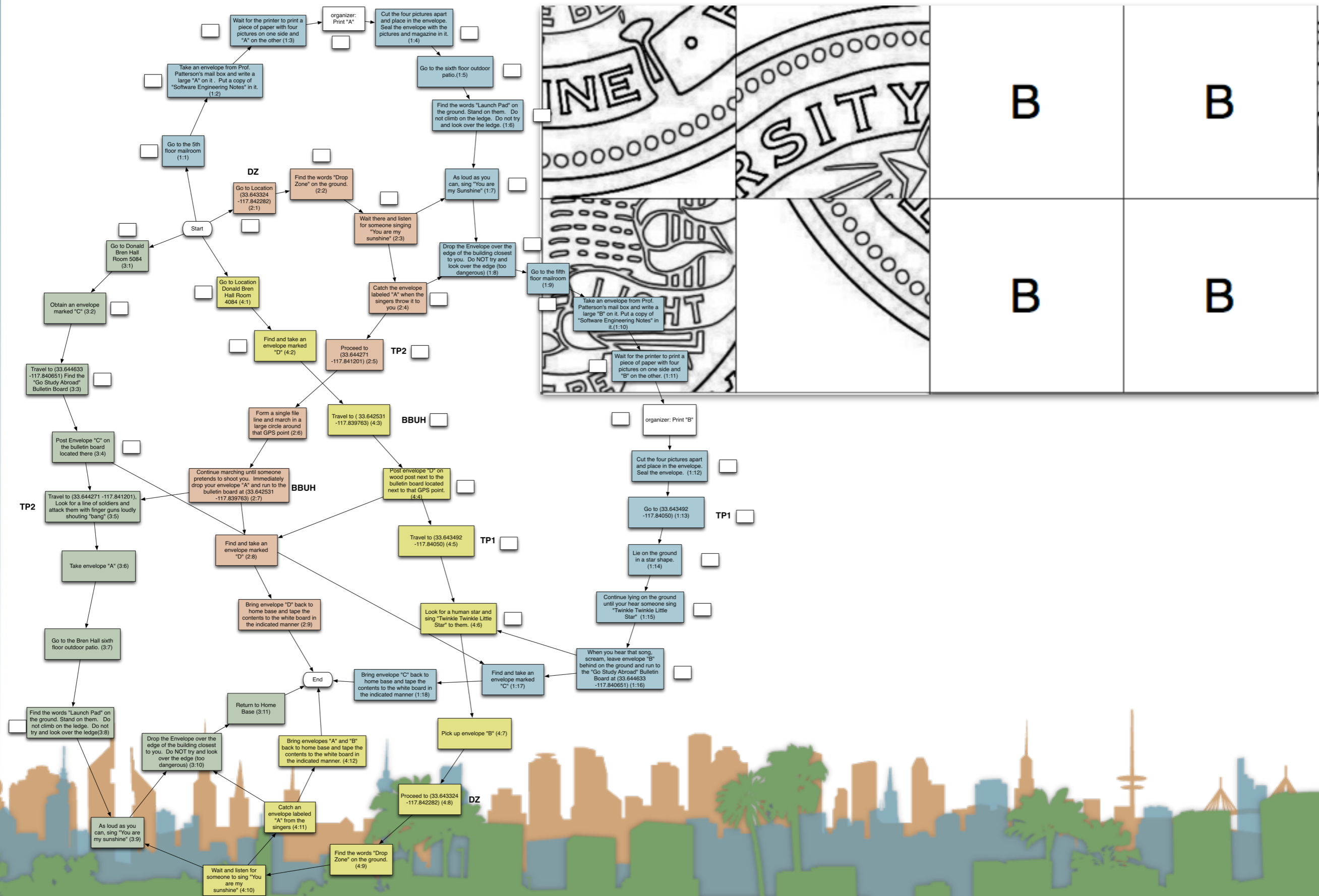
Pervasive Game Design Strategy



Game Design Strategies



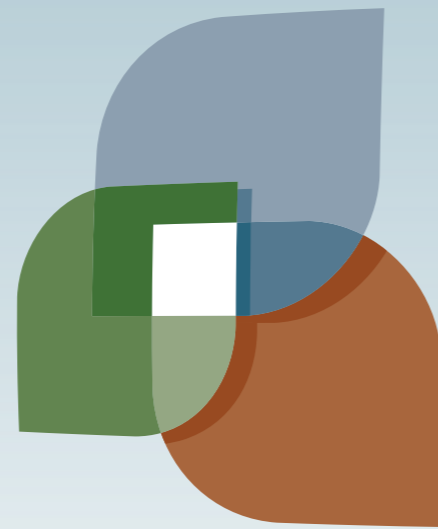
Pervasive Game Design Strategies



Pervasive Game Design Strategies

- Disruption
- Game Design
 - Training in GPS the day before
 - Hint sheets for locations pre-made
 - Control room watching movements
 - Team play
- A little social expansion
- Not much temporal expansion
- Heavy focus on linked mysterious tasks





L U C I

