# Overview

## Logic

1. Start
2. Init
3. Main Game Loop
4. Player Actions
5. Game Logic
6. Event Handling
7. Feedback
8. Win/Lose Conditions
9. Restart/Exit?
10. Save Score to DB
11. Credits
12. End

## Phases?

1. **Phase 1: 2015-2020 (Years 1-5) - "Foundation"** Introduction to the city and its initial challenges. Set the foundation for the city's development.

Focus on basic infrastructure and economic growth.

### 2. Phase 2: 2020-2025 (Years 6-10) - "Growth"

The city has started to grow, and new challenges emerge. Introduce more advanced services and infrastructure.

Economic growth becomes more critical.

### Phase 3: 2025-2030 (Years 11-15) - "Sustainability"

Shift the focus to achieving sustainability goals.

Encourage sustainable practices and eco-friendly policies. Handle global events, crises, and international cooperation.

### Phase 4: 2030-2035 (Years 16-20) - "Transformation"

The city should be close to achieving UN SDG 11.

Emphasize transformation, innovation, and urban development. Introduce advanced challenges and opportunities.

### 5. Phase 5: 2035-2040 (Years 21-25) - "Legacy"

* + The game's final phase, where you evaluate the city's legacy.
  + See the long-term consequences of your decisions.
  + Achieve a final score or outcome based on your actions.

### Districts & Quests

### Green District:

1. **Quest 1: "Clean Energy Initiative"**

Target: SDG 11.2 - By 2030, provide access to safe, affordable, accessible, and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities, and older persons.

Metrics:

Increase the percentage of energy generated from clean sources by 20% within five years.

### Quest 2: "Urban Greenery Expansion"

Target: SDG 11.7 - By 2030, provide universal access to safe, inclusive, and accessible, green, and public spaces, in particular for women and children, older persons, and persons with disabilities.

Metrics:

Increase the green area per capita by 10%. Achieve a biodiversity score of 90%.

### Transportation District:

1. **Quest 3: "Public Transport Upgrade"**

Target: SDG 11.2 - By 2030, provide access to safe, affordable, accessible, and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities, and older persons.

Metrics:

Increase public transportation ridership by 30%. Reduce traffic congestion by 15%.

### Quest 4: "Cycling and Walkability Promotion"

Target: SDG 11.2 - By 2030, provide access to safe, affordable, accessible, and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities, and older persons.

Metrics:

Increase the percentage of people walking or cycling for daily commute by 15%.

### Residential District:

1. **Quest 5: "Affordable Housing Program"**

Target: SDG 11.1 - By 2030, ensure access for all to adequate, safe, and affordable housing and basic services and upgrade slums.

Metrics:

Ensure that at least 15% of the housing in the district is affordable for low-income families.

### Quest 6: "Community Safety Improvement"

Target: SDG 11.2 - By 2030, provide access to safe, affordable, accessible, and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities, and older persons.

Metrics:

Reduce crime rates by 20%.

Increase citizen happiness in the district.

### Economic District:

1. **Quest 7: "Sustainable Business Growth"**

Target: SDG 11.3 - By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated, and sustainable human settlement planning and management in all countries.

Metrics:

Increase the number of sustainable businesses in the district by 25%.

### Quest 8: "Skills and Workforce Development"

Target: SDG 11.2 - By 2030, provide access to safe, affordable, accessible, and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities, and older persons.

Metrics:

Decrease the unemployment rate in the district by 10%.

Increase the percentage of residents with higher education degrees.

### Cultural and Entertainment District:

1. **Quest 9: "Cultural Enrichment Festival"**

Target: SDG 11.4 - Strengthen efforts to protect and safeguard the world's cultural and natural heritage.

Metrics:

Increase attendance at cultural events by 30%. Raise the social cohesion index in the district.

### Quest 10: "Historical Preservation"

Target: SDG 11.4 - Strengthen efforts to protect and safeguard the world's cultural and natural heritage.

Metrics:

Maintain and restore at least 90% of the district's historical landmarks and cultural sites.Ï

# Quests and Consequences

**Green District:**

**Quest 1: "Clean Energy Initiative"**

**Choice 1: Subsidize Solar Panels for Residents (Good)**

Consequence: Increased adoption of solar panels. Boosts clean energy generation, decreases pollution, and improves overall district sustainability.

### Choice 2: Invest in Wind Turbines for Commercial Buildings (Good)

Consequence: Commercial buildings invest in wind turbines, diversifying clean energy sources. This has a positive impact on clean energy generation and sustainability.

### Choice 3: Cut Clean Energy Funding (Bad)

Consequence: Reduced funding for clean energy initiatives. Clean energy generation decreases, air quality worsens, and the city falls behind on sustainability targets.

### Quest 2: "Urban Greenery Expansion"

**Choice 1: Create Community Gardens (Good)**

Consequence: Increases green space and community involvement. Boosts biodiversity, improves air quality, and enhances citizen well-being.

### Choice 2: Launch Tree Planting Campaign (Good)

Consequence: Increases the number of trees, positively impacting air quality, aesthetics, and overall biodiversity in the district.

### Choice 3: Cut Greenery Budget (Bad)

Consequence: Reduce the budget allocated for greenery expansion. Green spaces decline, biodiversity is affected, air quality worsens, and citizen satisfaction decreases.

**Transportation District:**

**Quest 3: "Public Transport Upgrade"**

**Choice 1: Expand Metro System (Good)**

Consequence: Improved public transportation infrastructure. Reduces traffic congestion and encourages eco-friendly commuting.

### Choice 2: Promote Bicycle Lanes (Good)

Consequence: Investment in bike lanes for eco-friendly commuting. Reduces traffic congestion and improves air quality.

### Choice 3: Cancel Public Transport Expansion (Bad)

Consequence: Halt the expansion of public transportation. Traffic congestion increases, air quality deteriorates, and the city's sustainability goals are at risk.

### Quest 4: "Cycling and Walkability Promotion"

**Choice 1: Build Pedestrian-Friendly Paths (Good)**

Consequence: Construction of pedestrian-friendly paths enhances walkability and encourages people to walk or cycle. Reduces traffic congestion and improves air quality.

### Choice 2: Develop Bike-Share Programs (Good)

Consequence: Implement bike-sharing programs, making cycling more accessible. Reduces traffic congestion and air pollution.

### Choice 3: Neglect Cycling Infrastructure (Bad)

Consequence: Fail to invest in cycling infrastructure. Traffic congestion remains high, air quality worsens, and citizens face transportation challenges.

**Residential District:**

**Quest 5: "Affordable Housing Program"**

**Choice 1: Subsidize Affordable Housing Units (Good)**

Consequence: Increase the availability of affordable housing for low-income families. Improves housing quality and reduces homelessness.

### Choice 2: Rent Control Policies (Good)

Consequence: Implement rent control to prevent price spikes. Ensures affordability for residents and reduces housing insecurity.

### Choice 3: Neglect Affordable Housing (Bad)

Consequence: Failure to support affordable housing. Housing costs rise, leading to increased homelessness and inequality in the district.

### Quest 6: "Community Safety Improvement"

**Choice 1: Implement Community Policing (Good)**

Consequence: Launch community policing programs to improve safety and community engagement. Reduces crime rates and enhances citizen well-being.

### Choice 2: Upgrade Street Lighting (Good)

Consequence: Improve street lighting to enhance safety at night. Reduces crime rates and enhances citizen happiness.

### Choice 3: Cut Community Safety Programs (Bad)

Consequence: Reduce funding for community safety programs. Crime rates increase, citizen safety decreases, and district satisfaction declines.

**Economic District:**

**Quest 7: "Sustainable Business Growth"**

**Choice 1: Incentivize Green Business Practices (Good)**

Consequence: Encourage local businesses to adopt eco-friendly practices. Increases sustainable business growth and improves the district's environmental impact.

### Choice 2: Support Green Startups (Good)

Consequence: Provide grants and support to green startups. Boosts innovation and sustainable business growth in the district.

### Choice 3: Neglect Sustainable Business Growth (Bad)

Consequence: Fail to support sustainable business practices. The district's environmental impact worsens, and it falls behind in sustainability goals.

### Quest 8: "Skills and Workforce Development"

**Choice 1: Invest in Workforce Development (Good)**

Consequence: Allocate funds for workforce development programs and education initiatives. Reduces unemployment and enhances residents' skills.

### Choice 2: Foster Partnerships with Educational Institutions (Good)

Consequence: Create partnerships with local educational institutions and businesses. Increases job opportunities and educational access.

### Choice 3: Neglect Workforce Development (Bad)

Consequence: Cut funding for workforce development. Unemployment rates rise, and residents face challenges in accessing education and jobs.

**Cultural and Entertainment District:**

**Quest 9: "Cultural Enrichment Festival"**

**Choice 1: Organize a Cultural Enrichment Festival (Good)**

Consequence: A successful cultural festival boosts cultural engagement, social cohesion, and overall community well-being.

### Choice 2: Support Local Artists (Good)

Consequence: Provide support and resources to local artists and cultural events. Enhances cultural diversity and community cohesion.

### Choice 3: Cancel the Cultural Festival (Bad)

Consequence: Cancel the cultural festival, leading to a decline in cultural engagement, reduced social cohesion, and citizen dissatisfaction.

### Quest 10: "Historical Preservation"

**Choice 1: Allocate Funds for Historical Preservation (Good)**

Consequence: Invest in the preservation and restoration of historical landmarks and cultural sites. Maintains cultural heritage and enhances the district's cultural identity.

### Choice 2: Implement Preservation Policies (Good)

Consequence: Implement policies to prevent cultural heritage degradation. Ensures the preservation of historical landmarks and cultural sites.

### Choice 3: Neglect Historical Preservation (Bad)

Consequence: Neglect funding and policies for historical preservation. Historical landmarks deteriorate, cultural heritage is lost, and citizen satisfaction decreases.

## Notes

Transport Systems