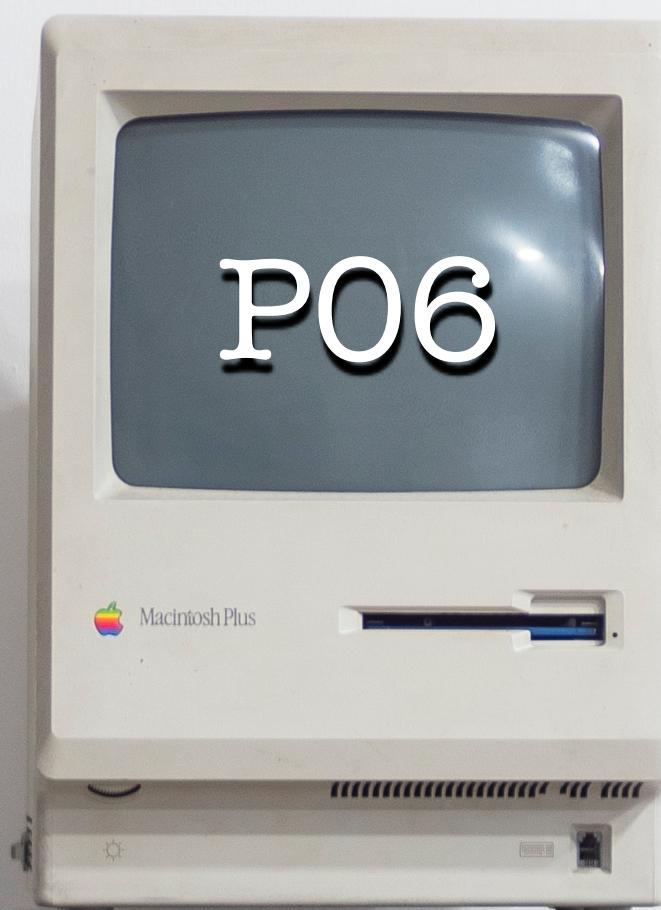
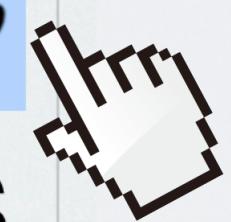


Serious Game

for C Programming Learners



Developer

We are the excellent team 2018-10



Runyu ZHANG

team leader

- Familiar with C, C++, Python, Java and have experience of writing programs in these languages.
- Participated in robot competitions.
 - Third prize in national robot competitions in high school and university.
 - Second place in the Hong Kong Robot Track Obstacle Race. Excellent decision making and leadership.
- Interested in artificial intelligence and machine learning fields.



Yinglun LI

team member

- Skilled in using C and Java and have studied Python and Swift. Have experience in program development.
 - Participated in a smart medical system development.
 - Participated in the design and production of some web multimedia.
- Second Prize in the Computer and Multimedia Design Competition of the city.
- Great understanding in code specification.
- Strong aesthetic and design skills.



Zeyu ZHANG

team member

- Familiar with C, Java and Database establishment. Self-learned Python foundation.
- Worked as an IT intern at an educational institution.
- Interested in machine learning, robot programming and AI.
- Good understanding and communication ability.
- Strong sense of responsibility.



Danyun WANG

team member

- Familiar with C, Java and Database establishment.
- Worked as an assistant of customer manager at the Bank of Communication.
- Interested in machine learning and AI field.
- Good understanding and learning ability.
- Strong aesthetic and design skills.



Qichen ZHANG

team member

- Familiar with C, Java and Database establishment.
- Having experience in summer research in Neural networks.
- Interested in machine learning, robot programming and AI.
- Good understanding and communication ability.
- Strong sense of responsibility.



Huixing REN

team member

- Familiar with C, Java and Haskell.
- Have teaching experience in C language.
- Have good program skills and motivated to learn new knowledge.
- Great understanding and learning ability.
- Strong aesthetic and design skills.

Advantages

Advantages

Experienced in programming

Numerous awards

Interested in game development

Clear specialties

High efficient cooperation

Specific devision of responsibility

Favourable team culture

C programming in **Paul'** eyes

in Paul's eyes

Programming language concepts overview

Programming language concepts in C

Structured programming (instructions + data)

Program Control (instructions)

Data (types + variables)

Functions

Arrays

Pointers

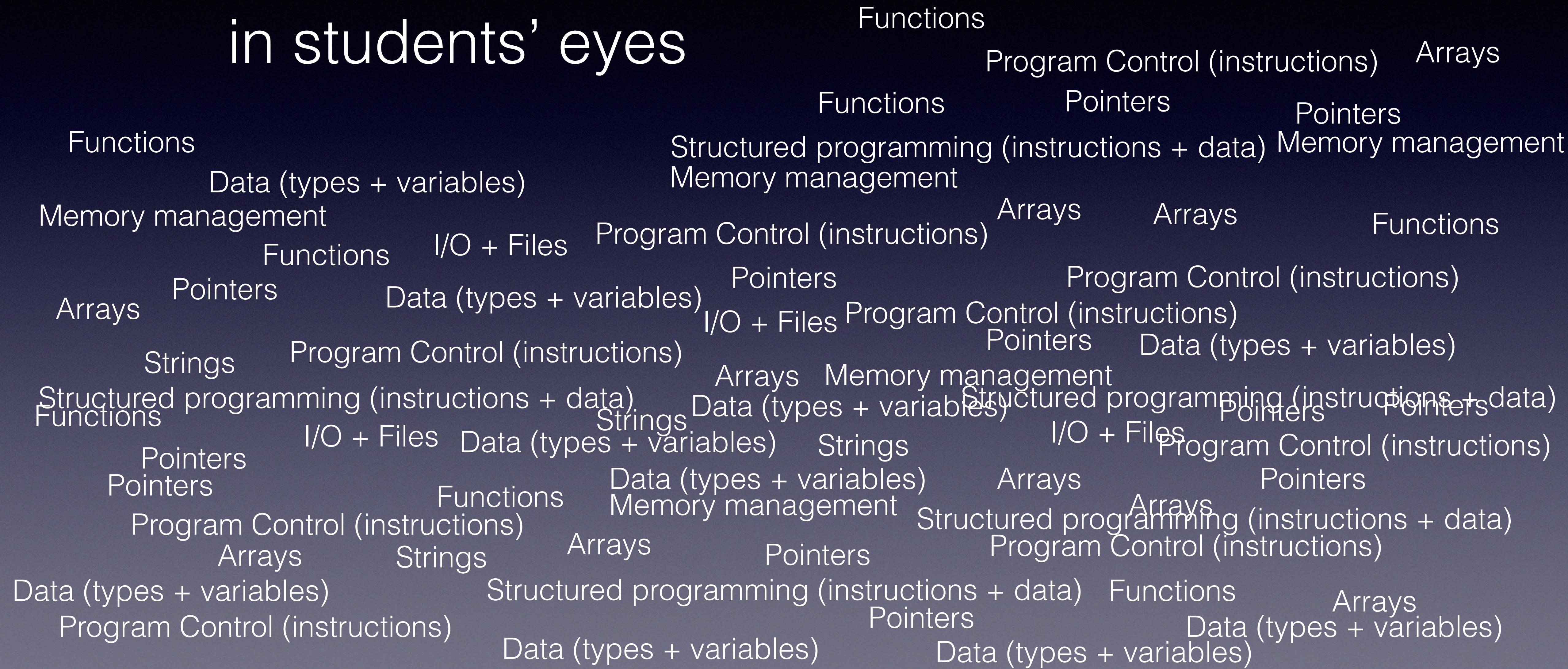
Memory management

Strings

I/O + Files

C programming in **students'** eyes

in students' eyes





When them hear about pointer



When them hear about game

A possible solution
learn programming with a game

before defining serious game What is a game

“A game is a system in which players engage in an artificial conflict, defined by rules, that results in a quantifiable outcome.”

– Salen, K., Zimmerman, E. (2004)

Serious Game

A game designed for a primary purpose other than pure entertainment. Its objective is to deliver information or knowledge by means of game playing, or in other words, to teach through lively activities.



MENU

REGIONS

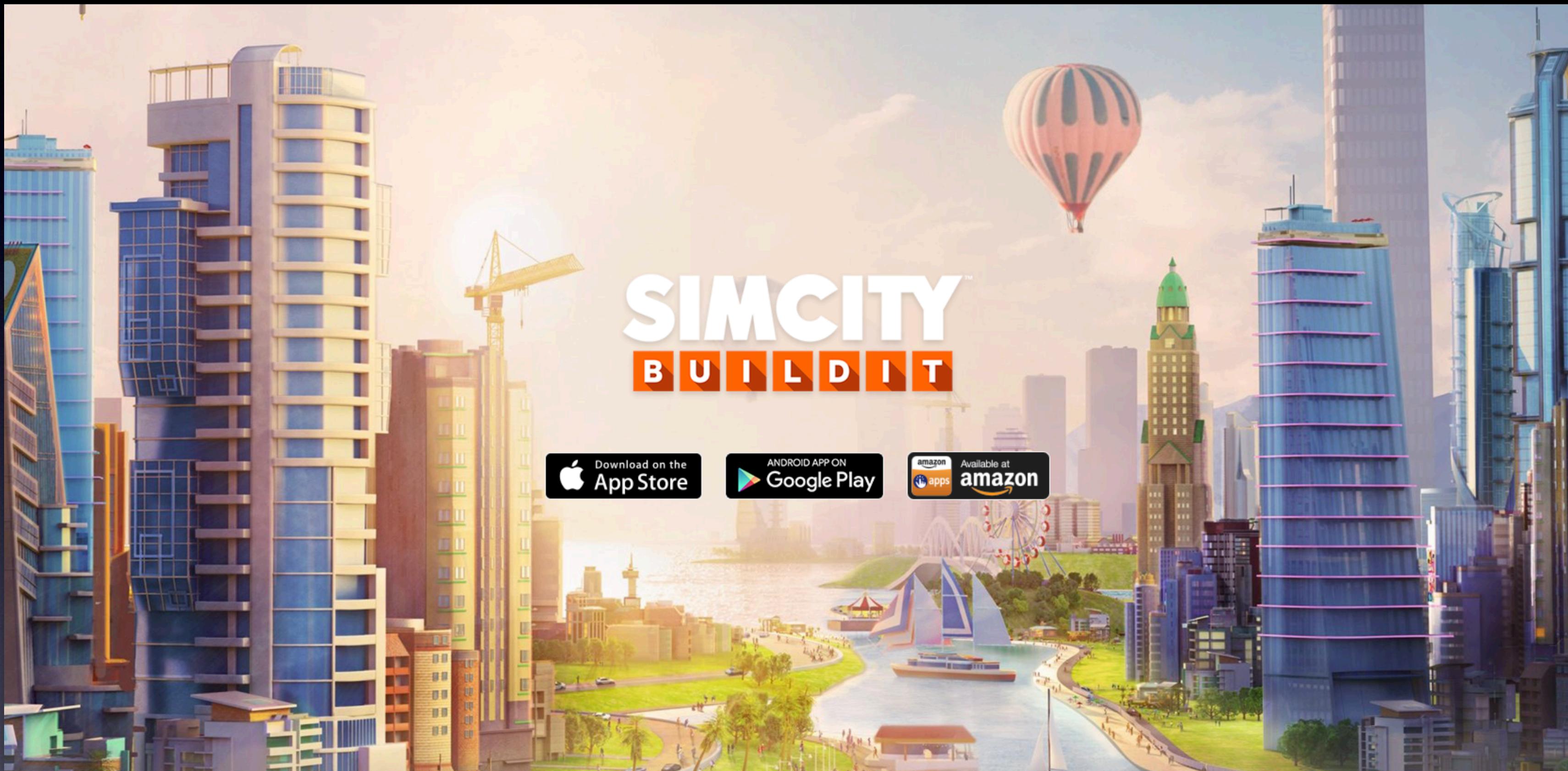
CLUB WARS

TIPS & TRICKS

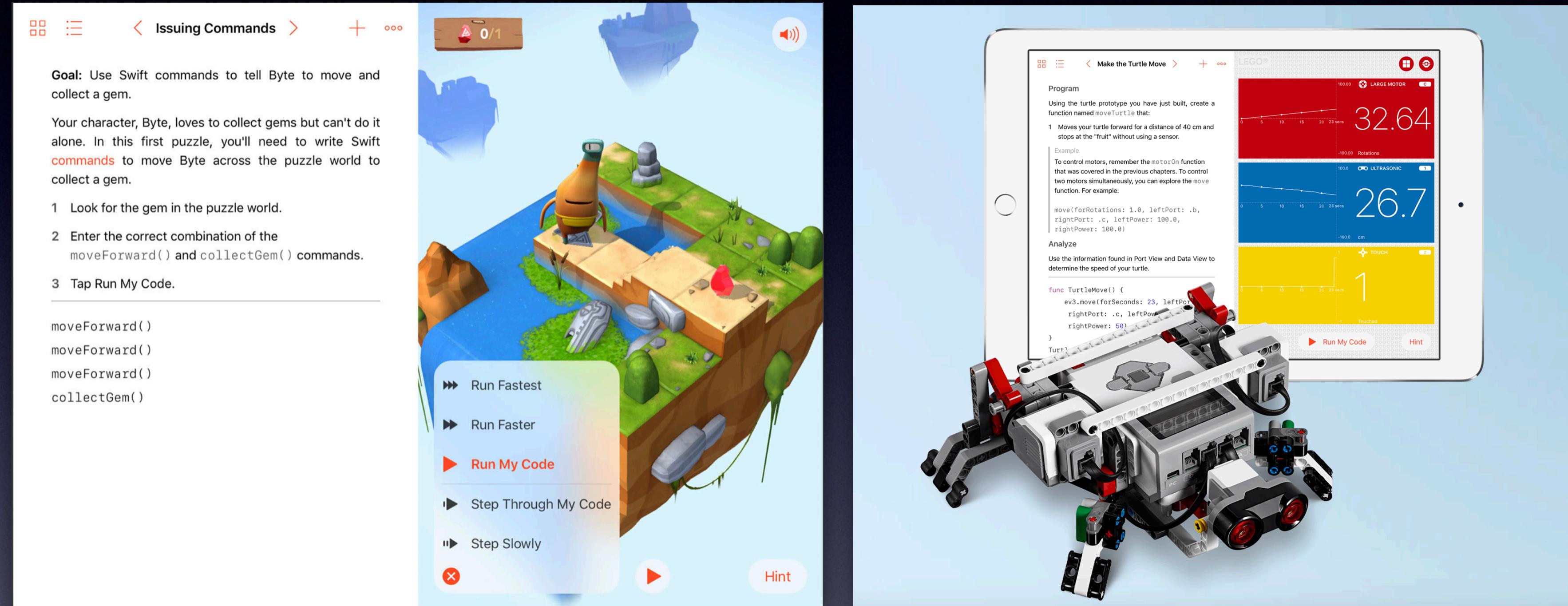
NEWS

DOWNLOAD FAN KIT

FORUMS



One of the famous serious game - SimCity™ from Electronic Arts



Another serious game in programming - Swift Playground™ by Apple

Elements

Conflict

Strategy and chance

Aesthetics

Theme and story

Rewards

Development

Development

Requirements

Software Approaches and Methods

Serious Game Design

Coding

Debugging

Testing

Schedule

Thanks