Errant
An iOS Fitness JRPG

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Goals

- Max
  - Further develop my design and engineering skills
- Stefan
  - Gain experience developing something for people to acutally use

Environment

- 立命館大学 (Ritsumeikan U.)
  - Haruo Noma-Sensei
    - To create a game that promotes exercise and a healthy lifestyle
    - Use of iBeacon technology

Gameplay Inspirations

Design

- Player Experience
  - Create a character
  - Begin exercising
  - Engage in single and multiplayer combat
  - Player growth!

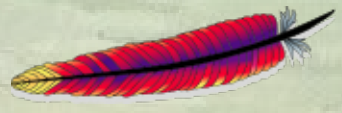
Technology

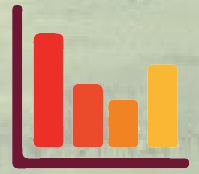
- M7/M8 Chip (Core Motion Framework)
- iBeacon Technology
- Google Maps SDK

Division of Labor

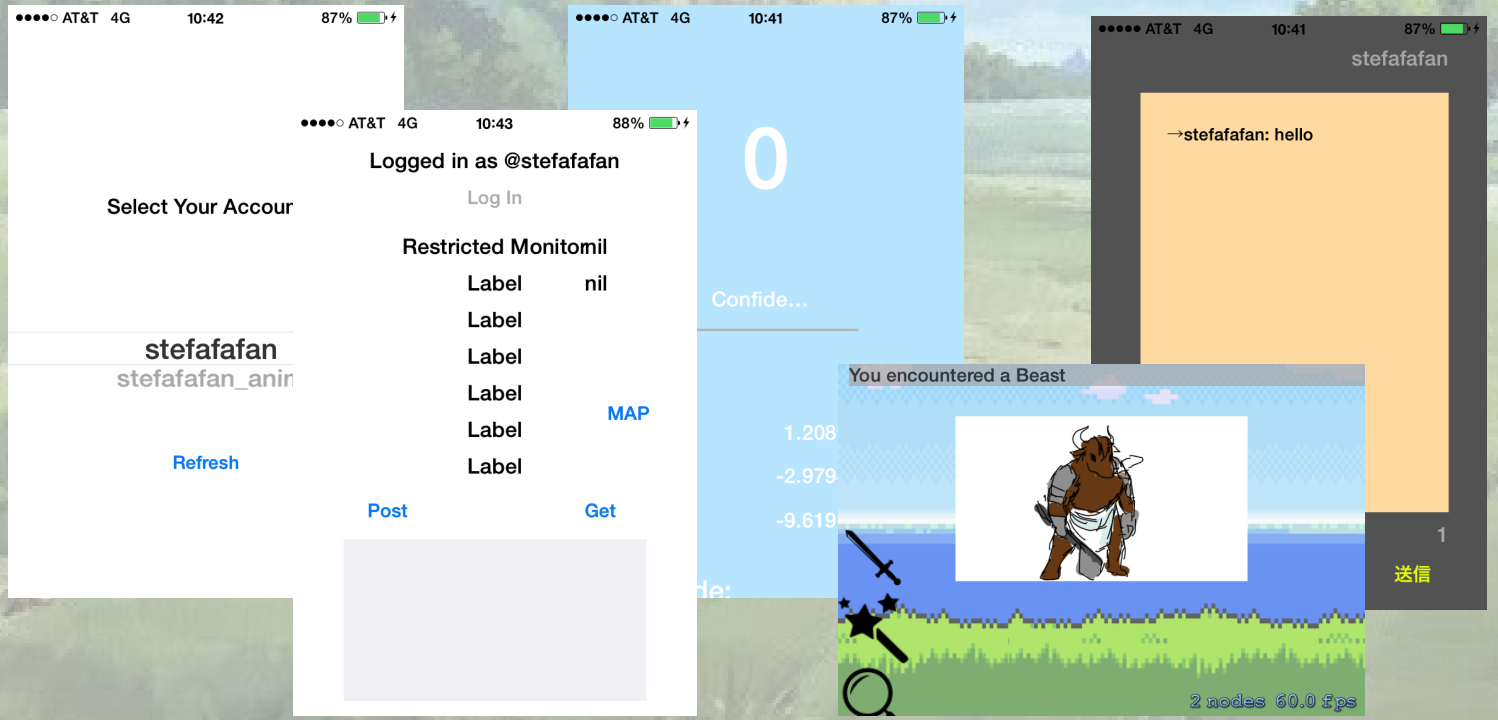
Stefan

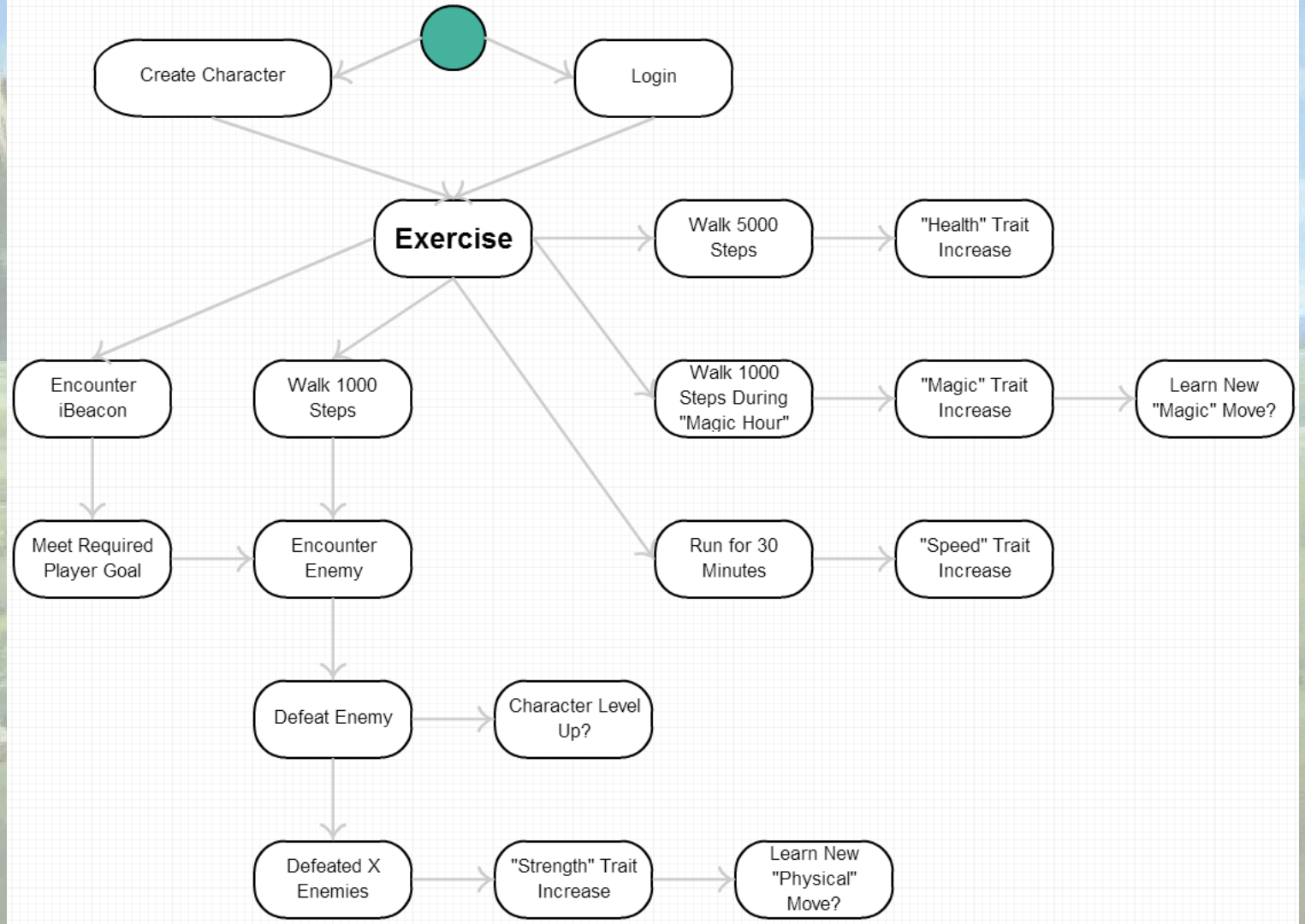
Max





Development

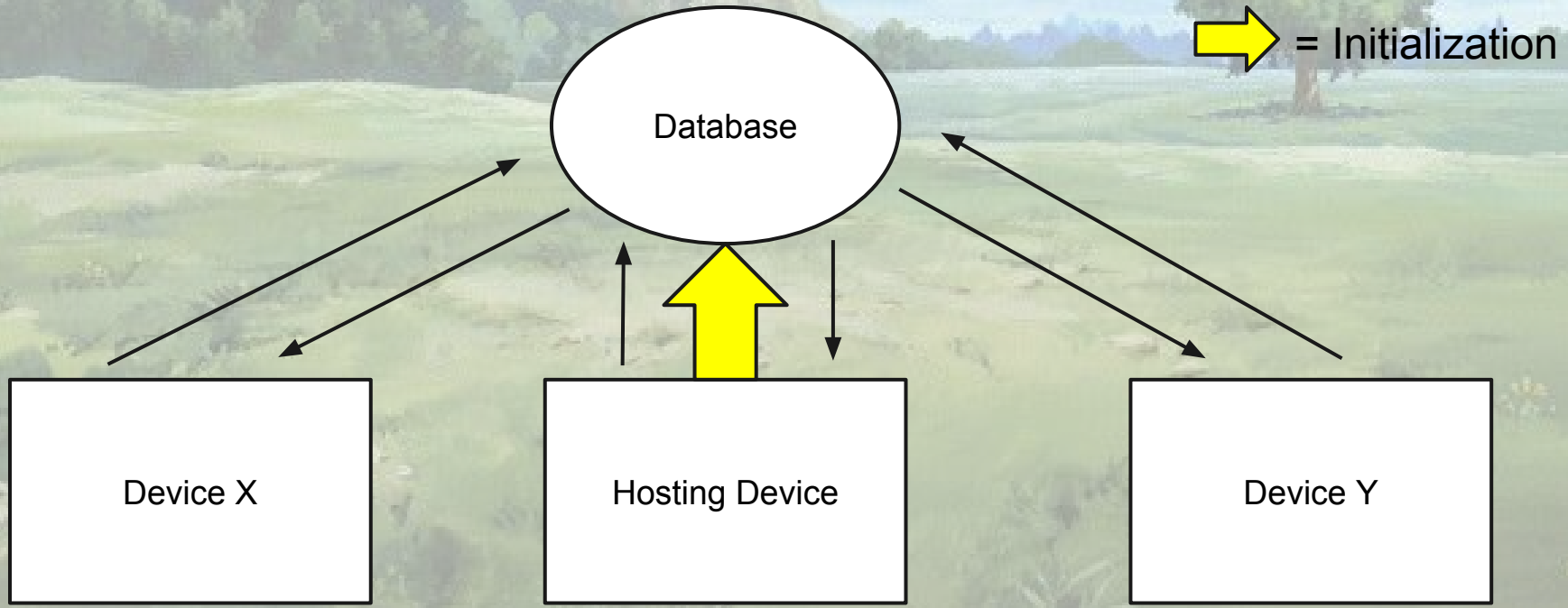


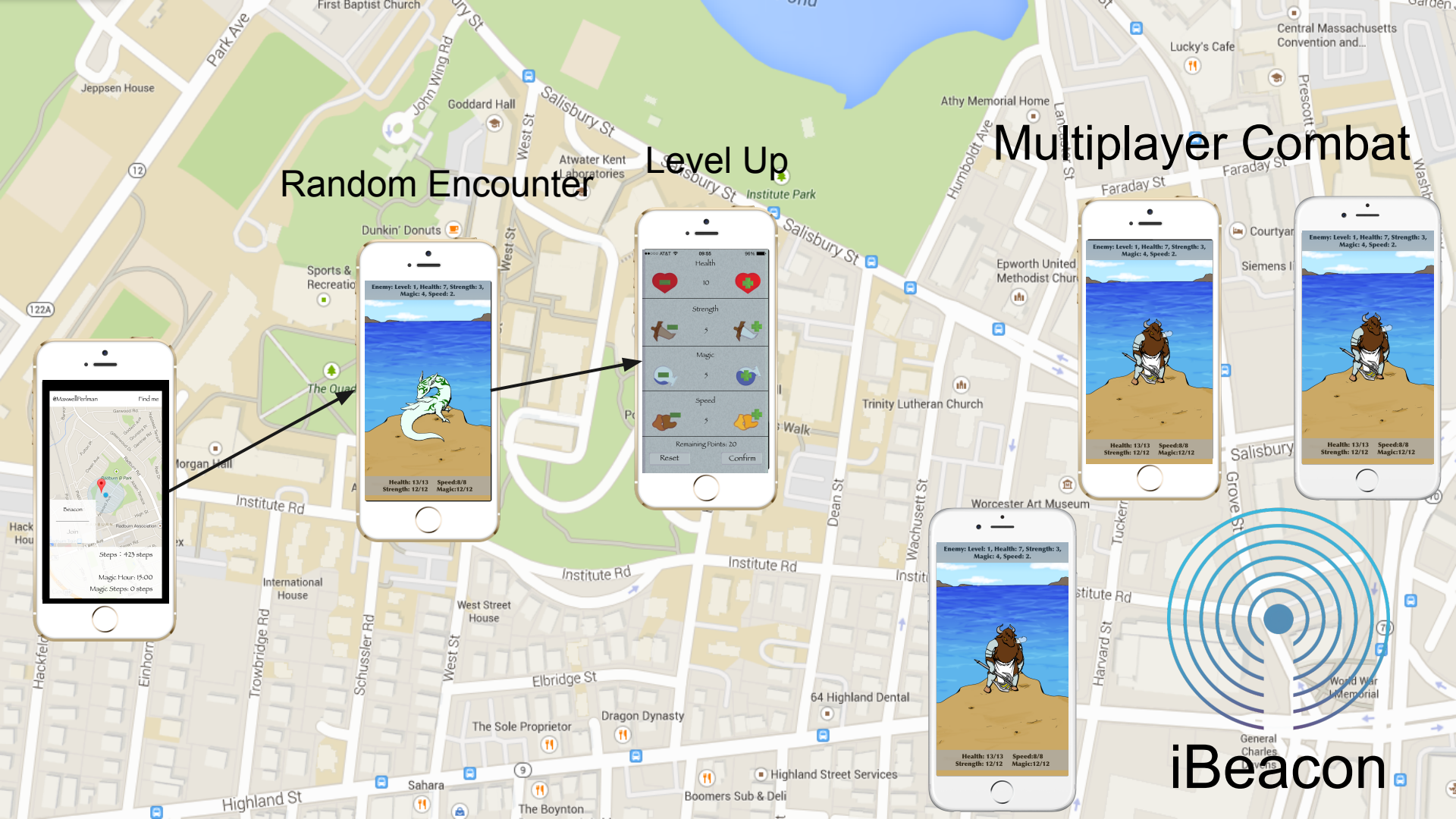

Create Character
Login
Exercise
Walk 5000 Steps
"Health" Trait Increase
Encounter iBeacon
Walk 1000 Steps
Walk 1000 Steps During "Magic Hour"
"Magic" Trait Increase
Learn New "Magic" Move?
Meet Required Player Goal
Encounter Enemy
Run for 30 Minutes
"Speed" Trait Increase
Defeat Enemy
Character Level Up?
Defeated X Enemies
"Strength" Trait Increase
Learn New "Physical" Move?

Enemy Encounters

- Turn-based combat
- 10 different types of enemies
  - different attacks, different weaknesses
- Enemy stats dependent on the player's stats
  - Learn new attackes as they exercise

Networked Multiplayer



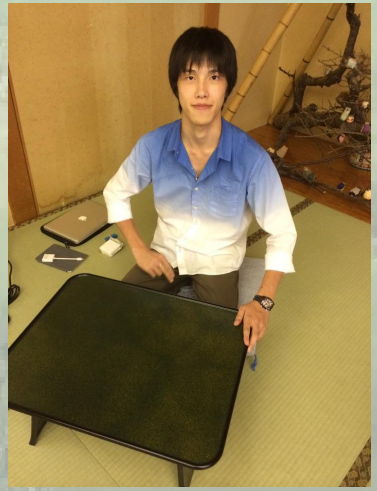

Random Encounter
Level Up
Multiplayer Combat
iBeacon
Steps : 423 steps
Magic Hour: 15:00
Magic Steps: 0 steps
Enemy: Level: 1, Health: 7, Strength: 3, Magic: 4, Speed: 2.
Health: 13/13 Speed:8/8
Strength: 12/12 Magic:12/12
Health
Strength
Magic
Speed
Remaining Points: 20
Reset
Confirm
Jeppsen House
Goddard Hall
Atwater Kent Laboratories
Institute Park
Dunkin' Donuts
Sports & Recreation
The Quad
Morgan Hall
Institute Rd
International House
West Street House
Trowbridge Rd
Schussler Rd
West St
Elbridge St
The Sole Proprietor
Dragon Dynasty
64 Highland Dental
Highland St
Sahara
The Boynton
Highland Street Services
Boomers Sub & Deli
Trinity Lutheran Church
Worcester Art Museum
Epworth United Methodist Church
Athy Memorial Home
Lucky's Cafe
Central Massachusetts Convention and...
Faraday St
Salisbury St
Dean St
Wachusett St
Harvard St
Grove St
World War I Memorial
General Charles

Testing

- Unit testing
  - Balancing an RPG
    - AI
- Beta testing
  - Multiple iPhones/iBeacons
  - Server

坂本匡

Sakamoto Tadashi



Special Thanks - Tech

若尾あすか
Wakao Asuka

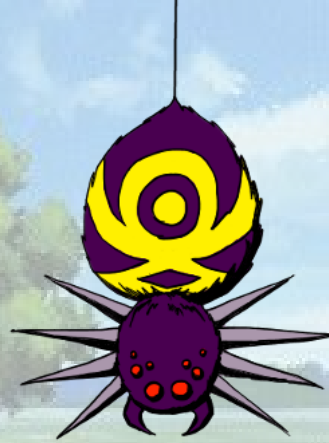
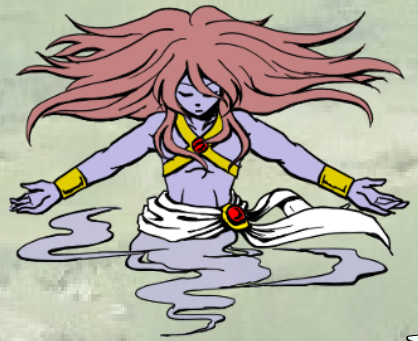
鈴木真生
Mao Suzuki

Special Thanks - Art

河野仁美
Hitomi Kohno

クレメンズ・アレックス
Alex Clemens

Results

- Errant was a finalist in the ICT Challenge (a Japanese software competition for students)
- Received the Wedding Park Award

Questions