# Game instruction

1. **Game of cyber security**

You are a staff of a business, and you have initial budget for the business’s cyber protection. The attacker (AI) will attack your business in kinds of ways and these ways have different switches which need to be defended from your choices. Actually, if you can protect your business by keep away from the attacks with the budget you have, you will be the winner.

**2.Different scenarios**

The game has different scenarios for various types of business, so there are 3 degrees set as easy, normal and hard modes. And easy mode is the first will be implemented, which is used for small business protection from common cyber attacks. For examples, junk mails and weak passwords etc.

Normal mode and hard mode are designed for medium business and large business, they contain more attack ways and protection means. And the audience are almost managers of a big company or an individual business. Like hackers employed by competitors, it is a high-level attack in some way.

Each mode has its features and easy mode is more suitable for the great majority. The other two will be used more professionally.

**3.Specific process and rule**

At first, players get money set by different modes and the game will start. Players will receive attacks from attackers (AI) in random, and choose switches of the protection ways within different cost from the budget. Like password, it has weak passwords as only simple numbers, normal passwords and strong passwords contain capital letters and lowercases, symbols.

And in different parts, players might defend successfully or not, they could gain money or lose budget from the results of attacks. The winner standard is that the final budget should be larger than initial budget.

Degree 1

1. **Game structure diagram**

Attacker (AI)

Degree 2

Attack 1

Winner or Loser ?

Degree 3

Cost 1

Degree 3

Degree 2

Degree 1

Protection 1

Final budget

$? ? ?

Possible problems

of a business

Initial Budget

$1000.00

Player