

# First Proposal

## UniCoop

University + Cooperation

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조명하 조재범 백준선 남하임

UniCoop is a collaboration service that supports a series of processes from team building to collaboration *for University team project classes.*

Orange texts in the ppt are texts that have been added or modified after feedback

# UniCoop

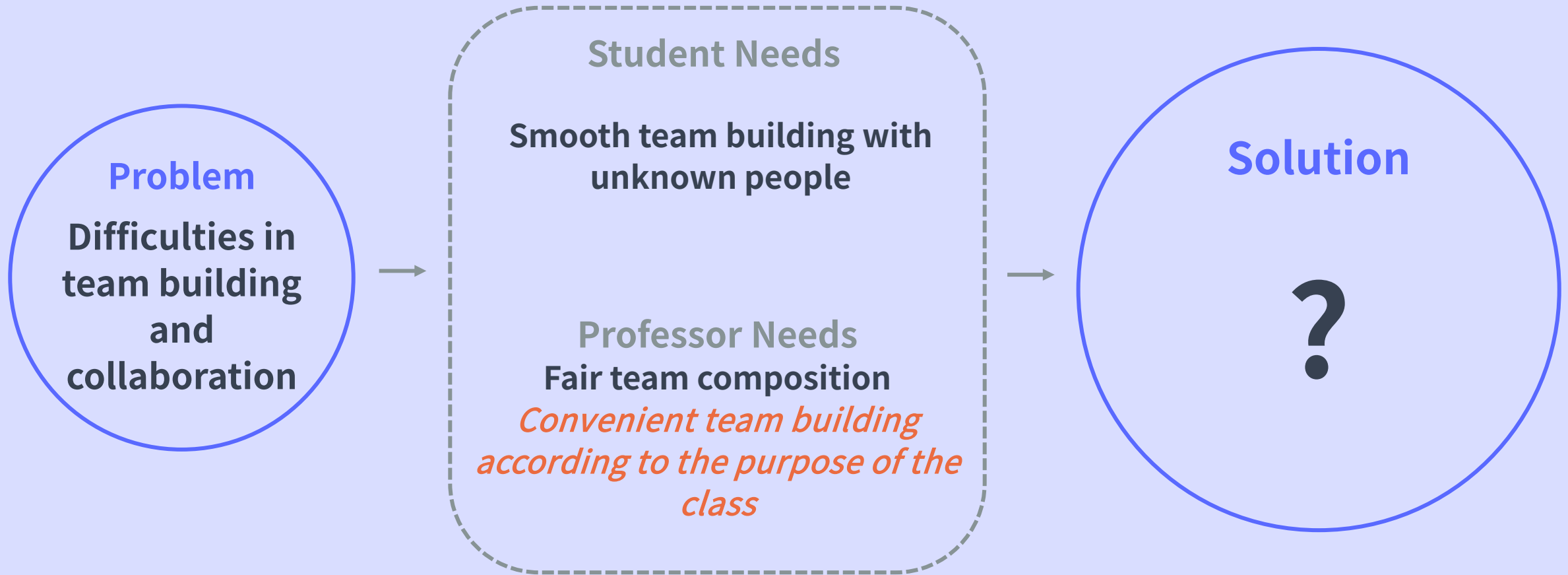
```
graph TD; UniCoop[UniCoop] --- TB((Team Building)); UniCoop --- C((Cooperation));
```

**Team  
Building**

**Cooperation**

## First Proposal

UniCoop has considered these problems and needs



## Proposed Solution

**UniCoop provides these solutions**

<b>Register Project</b>	<b>Team Matching</b>	<b>Meeting / Working Time</b>
<b>Task Timeline</b>	<b>Peer Evaluation</b>	<b>Projects Management</b>

# Problem and Solution

## Peer Evaluation



**Haim Nam**

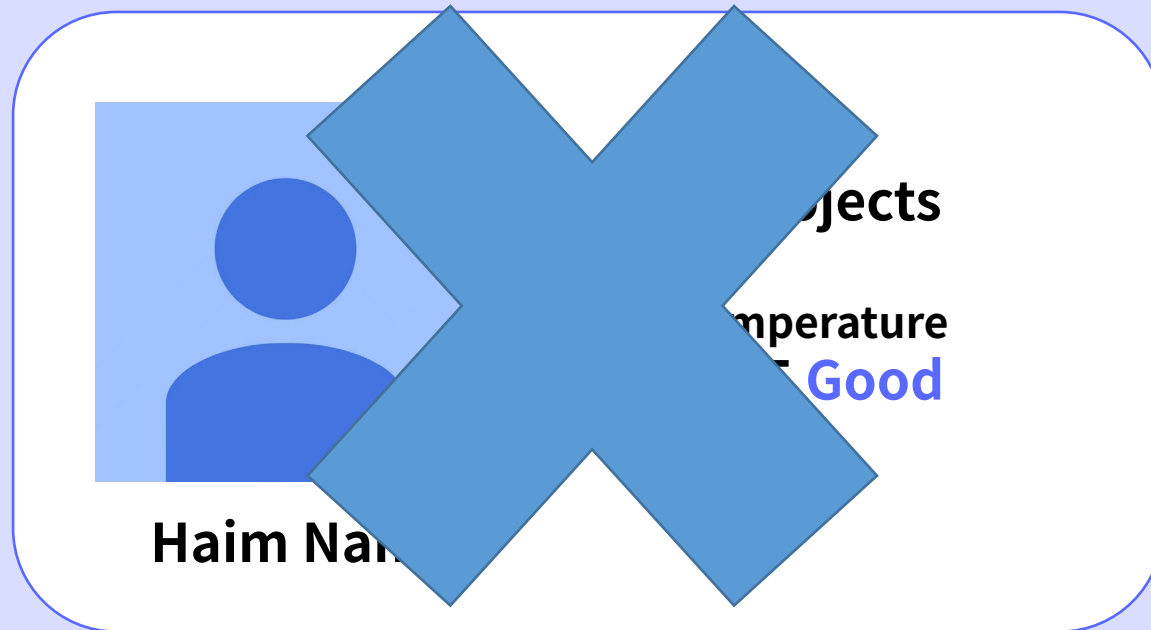
**3 Projects**

Temperature  
**36.5 Good**

*How to handle abusing?  
How to match students who  
have low temperature?*

## Problem and Solution

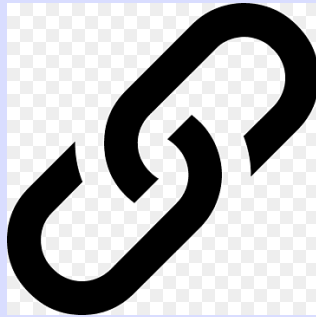
## Peer Evaluation



*Remove the temperature system*

# Problem and Solution

## Validation



*QR Code(Link)  
Created by Professor*

## Problem and Solution

### Team Matching

**Automatic team matching function** with people with similar or different preferences based on the purpose of the class

*How?*



## Team Matching Algorithm

**1. Form groups based on criteria specified by the professor as mandatory.**

**Group I working on  
team projects about  
SOCCER**

**Group II working on  
team projects about  
BASKETBALL**

## Team Matching Algorithm

**2. Initialize by randomizing the teams within the divided groups.**

**A (soccer)**

**B (soccer)**

**C (soccer)**

**D (basketball)**

**E (basketball)**

## Team Matching Algorithm

3. Compute the team matching score by checking the distribution of each characteristic of the team members.

**D: 115**

**E: 85**

**D: 80**

**E: 120**

**D: 108**

**E: 110**

## Team Matching Algorithm

**4. Confirm the team formation when the teams' matching scores are most evenly distributed.**

**D: 115**

**E: 85**

**D: 80**

**E: 120**

**D: 108**

**E: 110**

## Team Matching : Question Settings

### 1. Default(already set, make your own) + Customized

**School year** (already set)

**Major** (already set)

**Desirable position** (Make your own options)

+

## Team Matching : General Questions

1. Add & delete options / decide whether to enable students' own input or not

**Desirable position**

Leader

Presenter

✓ Enable students' own input

+

## Team Matching : Question Options

### 2. Similar / Diverse

**Desirable position**

Leader

Presenter

✓ Enable students' own input

+

Similar Diverse

## Team Matching : Mandatory Question

### 3. Set questions, options, and the number(or range) of groups

**Out of 6 groups, Students who answered ( Yes ) in  
( background of AI ) should be in ( 1 ~ 2 ) group(s)**

**Background of AI**

Yes

No

Enable student's own input



## Team Matching : Priority

### 4. Priority among the optional questions

**Mandatory:** background of AI

#### **Optional**

1. Position

2. Balance Game 1 (“Let’s say that you have...”)

3. Balance Game 2 (“What would you do if...”)

**Thank you**