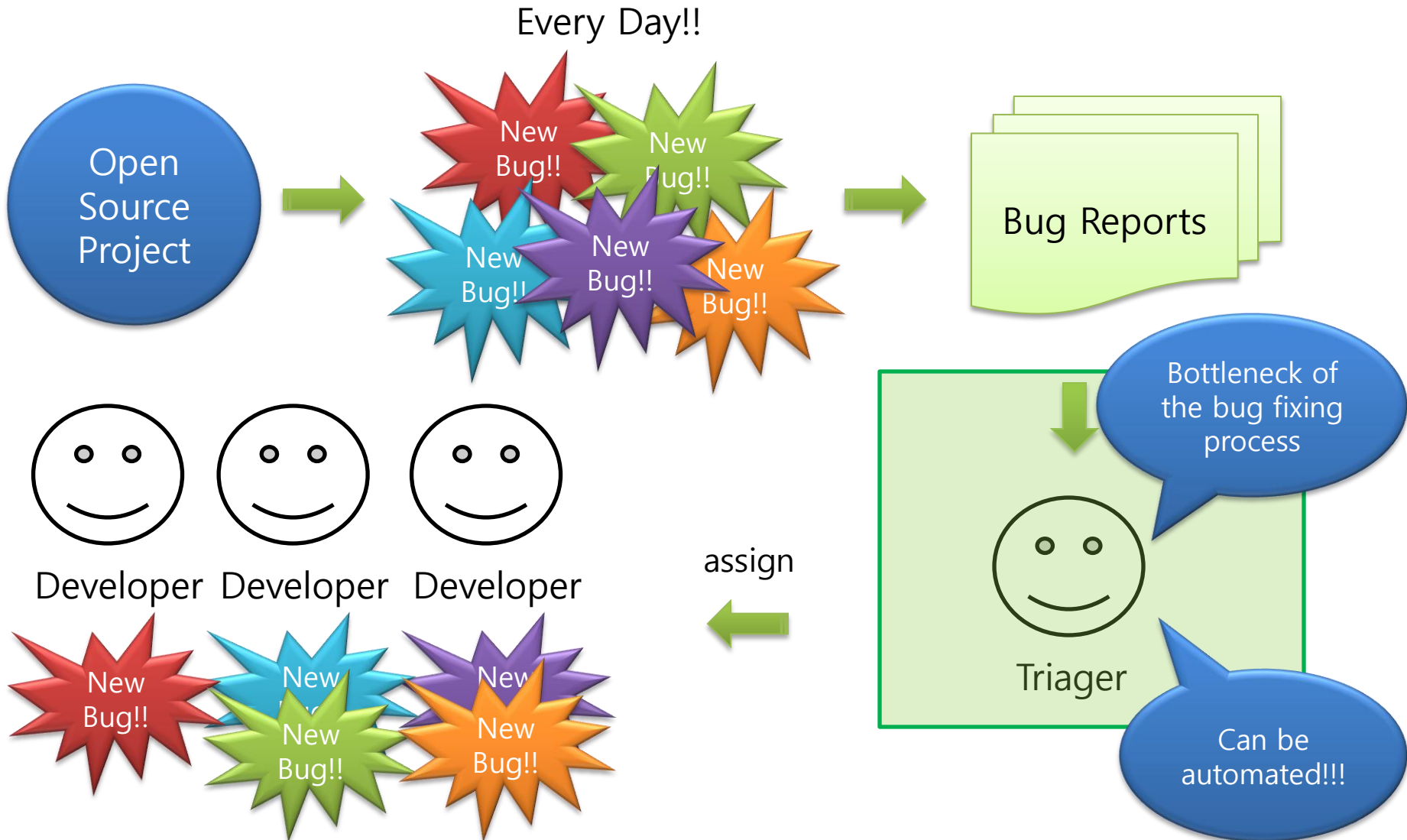


Bug
Happy ♪ ♫ ~
Marriage Problem

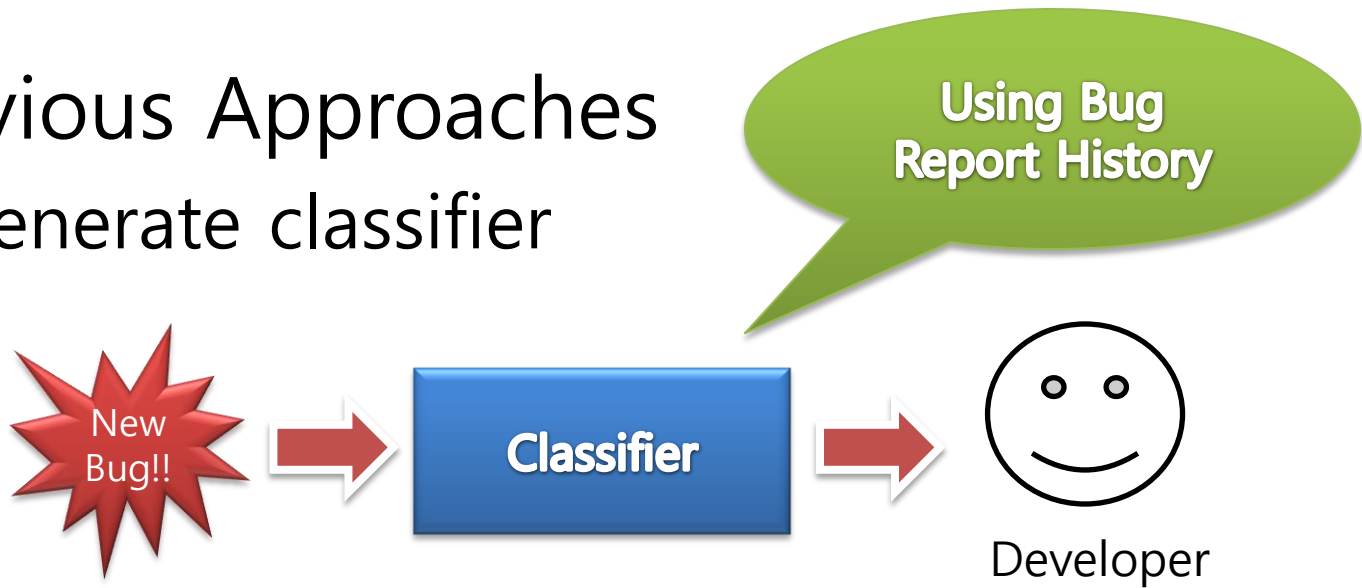
Speaker : **Jinhan Kim**
Pohang University of Science and Technology
(POSTECH)

Motivation



Motivation

- Previous Approaches
 - Generate classifier



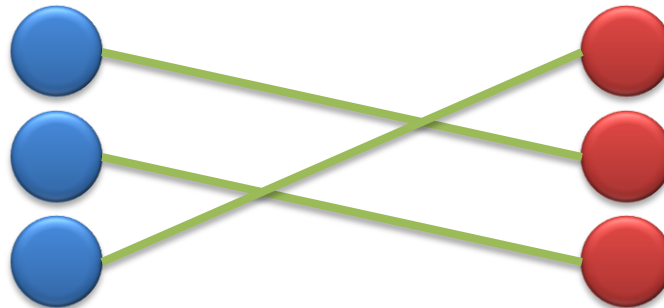
- Only consider bug's preference
- Have super-developer problem

Approach

- Our Approach
 - Consider bug's and developer's preference



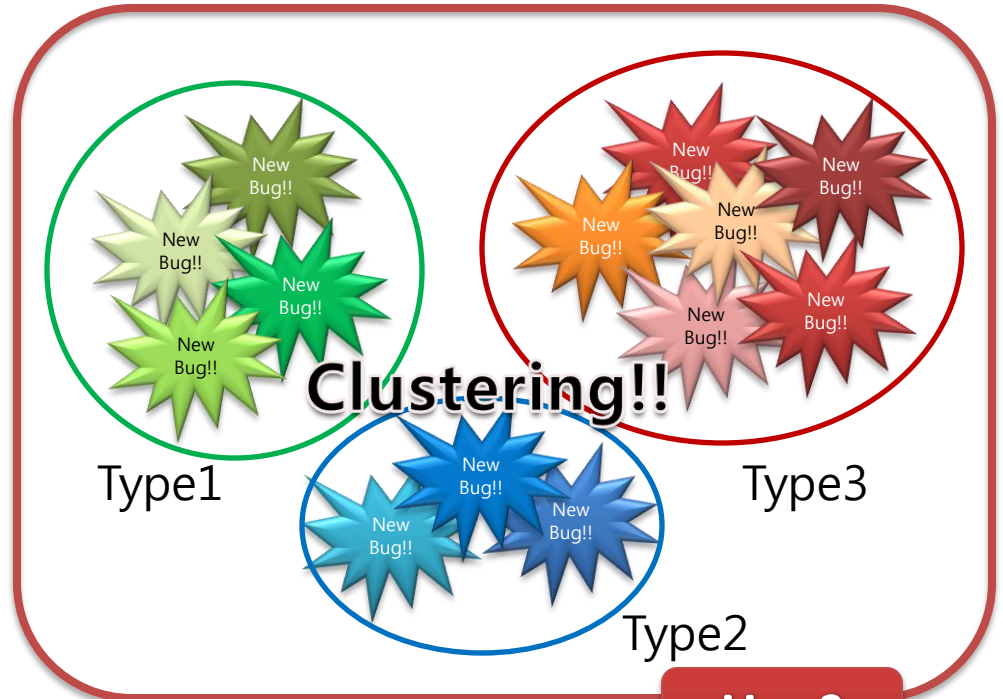
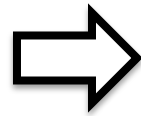
- Balance the number of assignment
 - Happy Marriage Problem



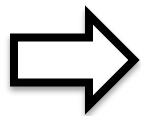
Developer's Preference



There is no same bug!!



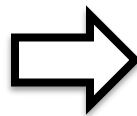
How?



Predict!!

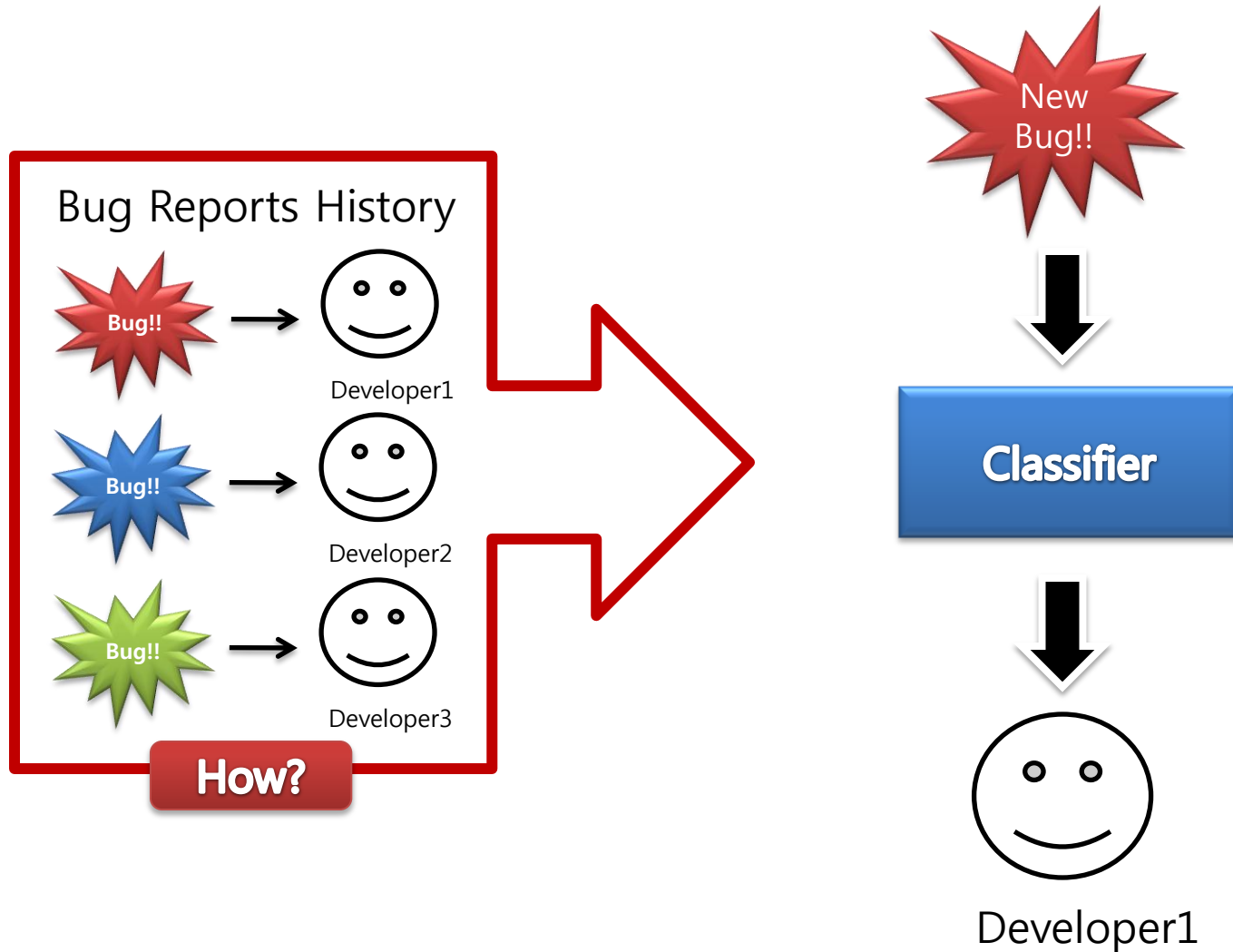
Developers	Type1	Type2	Type3
Developer 1	2	3	?
Developer 2	1	5	2
Developer 3	5	1	4

How?

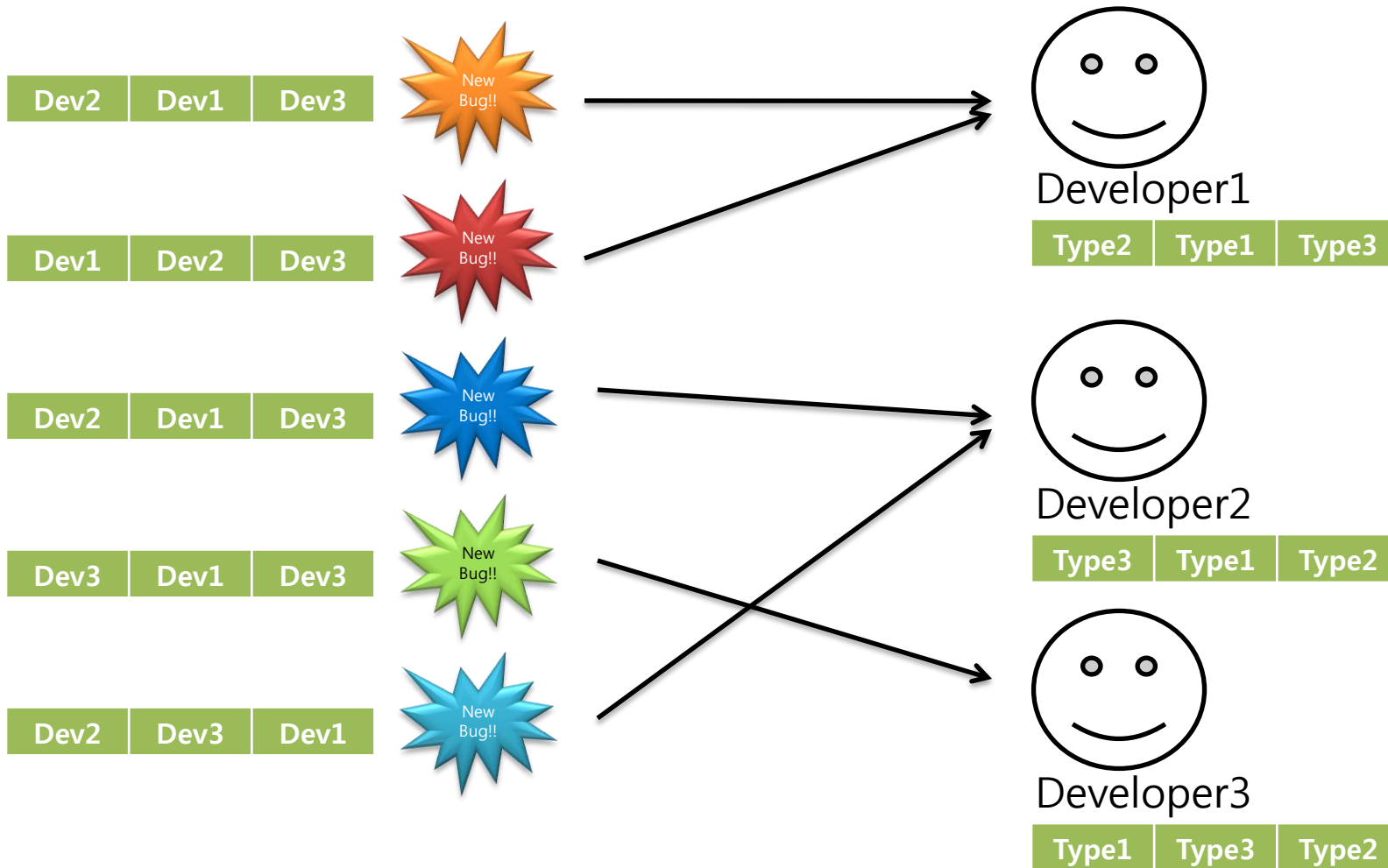


Developers	Type1	Type2	Type3
Developer 1	Rank2	Rank1	Rank3
Developer 2	Rank3	Rank1	Rank2
Developer 3	Rank1	Rank3	Rank2

Bug's Preference



Happy Marriage



1:n Happy Marriage Problem

Q&A