IdealMatch

-by Utkarsh

Story 1

Usha is a 17 year old girl staying in a village. A river passed by her village which is usually full of used water bottles, cups and straws. It often causes problem for farms which use river water for irrigation, so she came of with a plan of using the waste material to create water supply for farms which are situated away from the river. She executed the plan with very limited value of knowledge she has on hydraulics from her school.

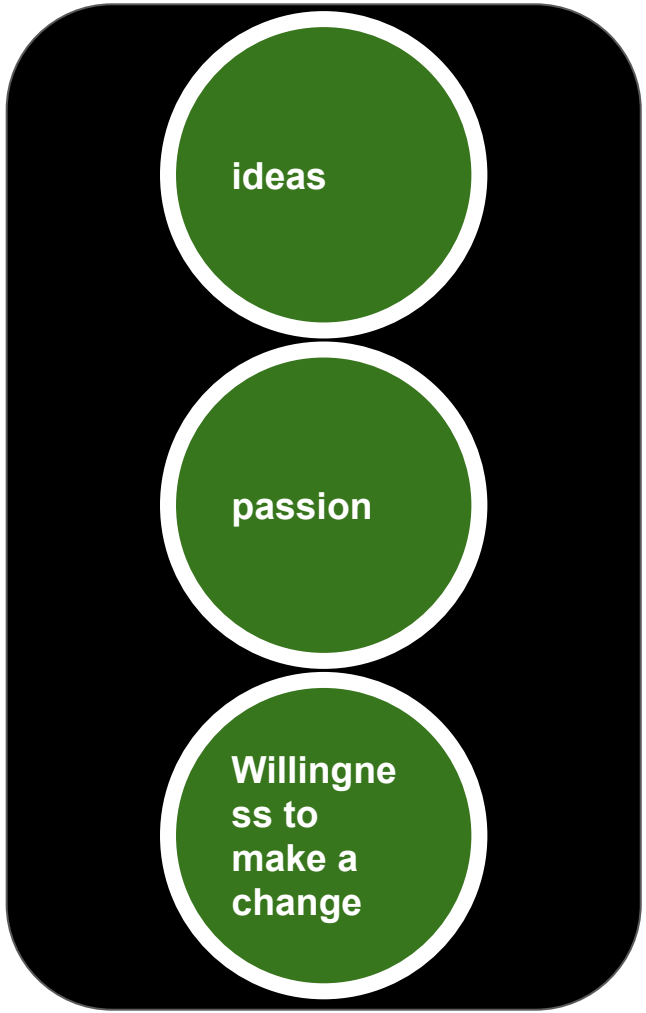
She wants to expand her idea, however based on her financial condition, she can’t hire any additional helping hands to do her work. Also she doesn't know who she should approach and how she can get funding, as only conventional businesses are run in the village something like entrepreneurship is unheard in her community

Story 2

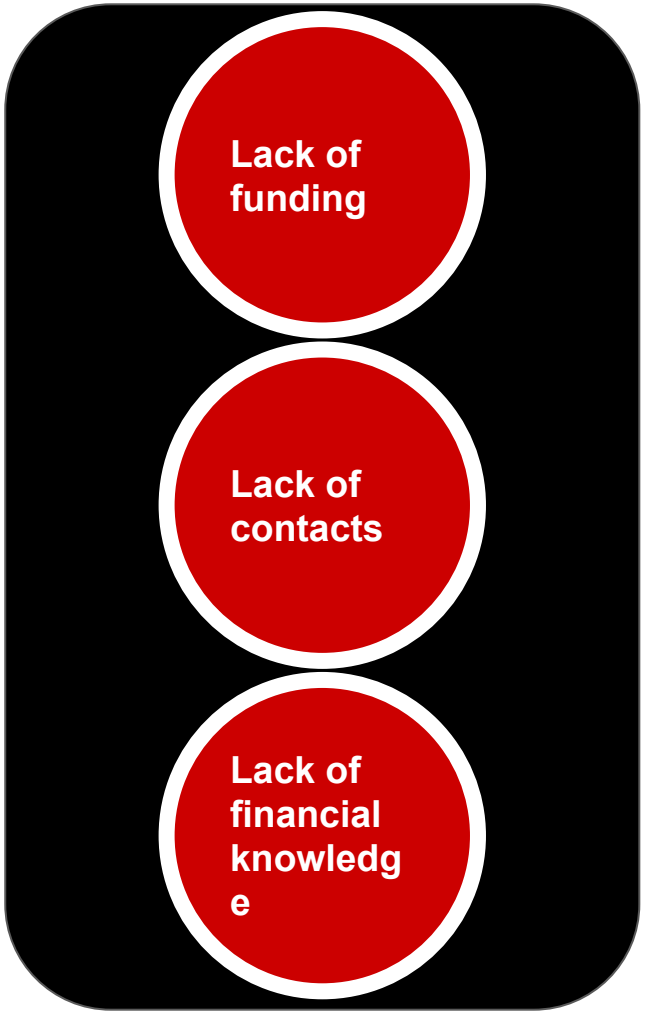
Andrea is an engineering student studying electronics and robotics. He with his friend has invented a robotic device “plastic separator” which can segregate plastics from trash using combination of image processing and weight.

He has a good network of entrepreneur seeding in his university and he presented his invention in front of the bench. However the bench refused to fund his project as the cost creating and using such device is too high and it won’t earn much profit. Additionally the customer base is also very niche.

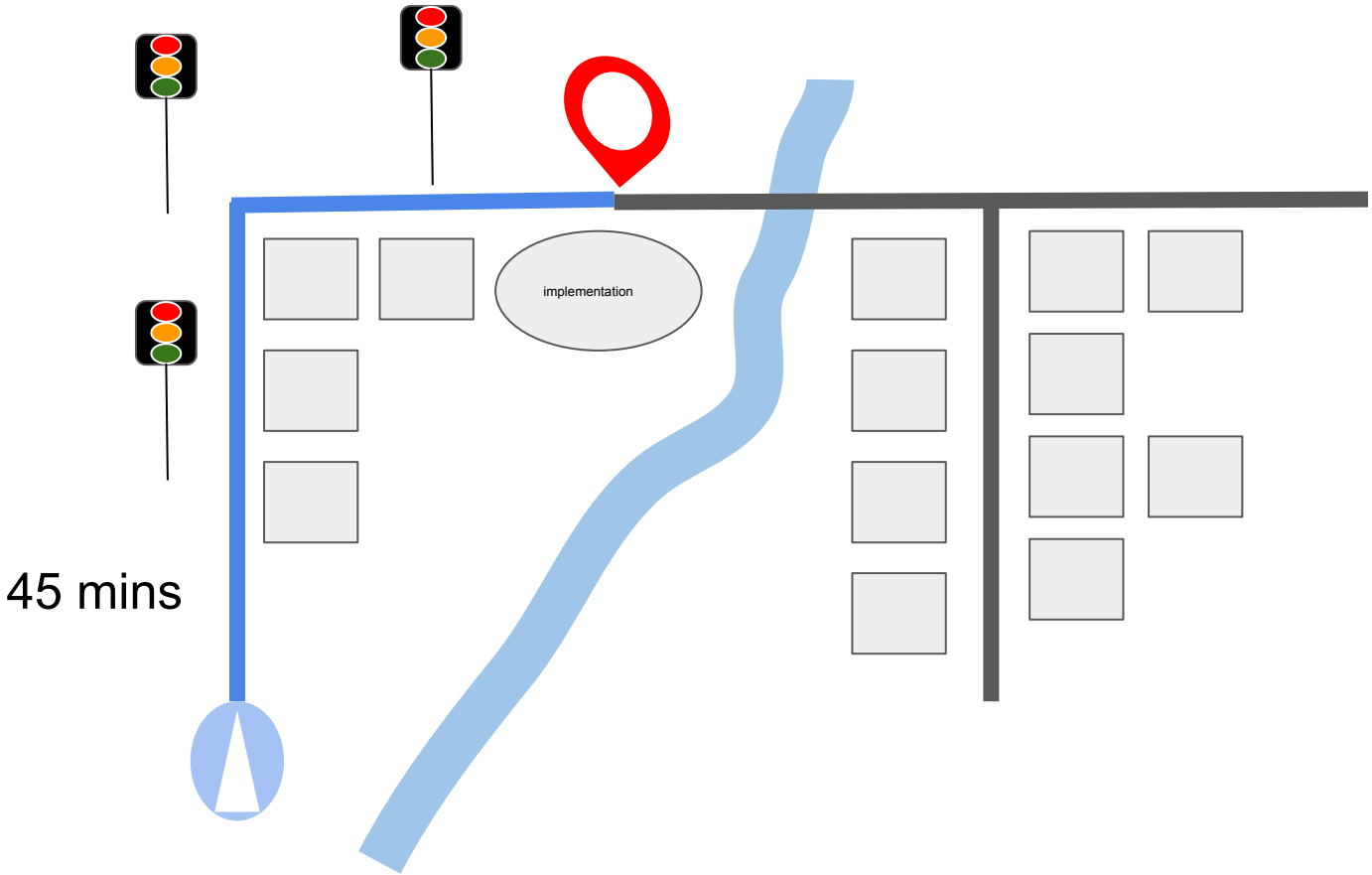
Idea to to innovation is a road

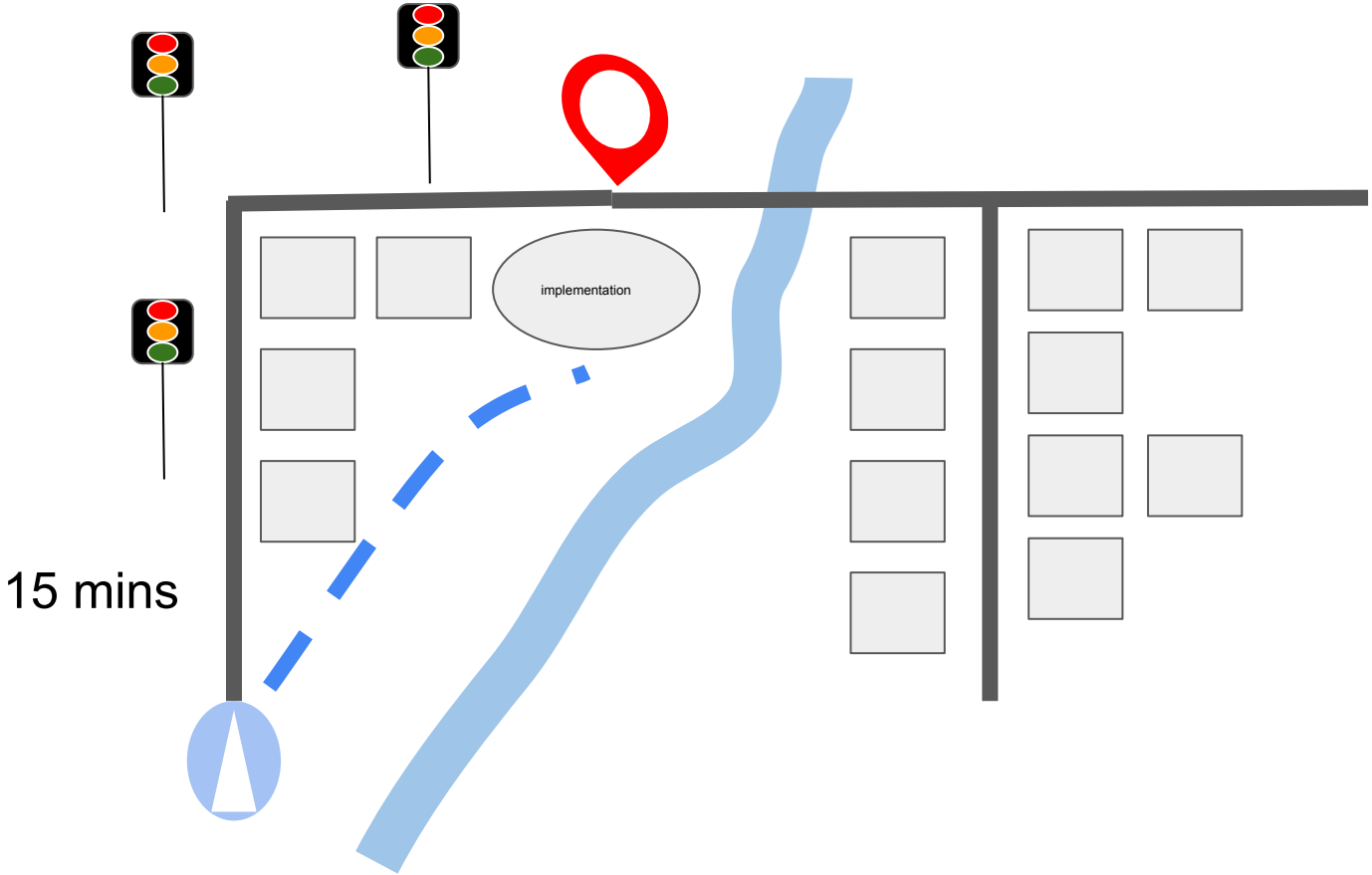


Innovators are driven by



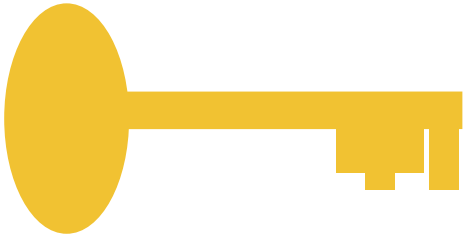
Innovators are stopped by


implementation
45 mins


implementation
15 mins

What application is going to do

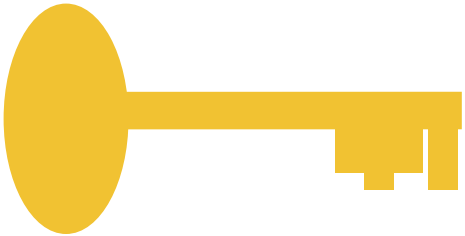
Idea



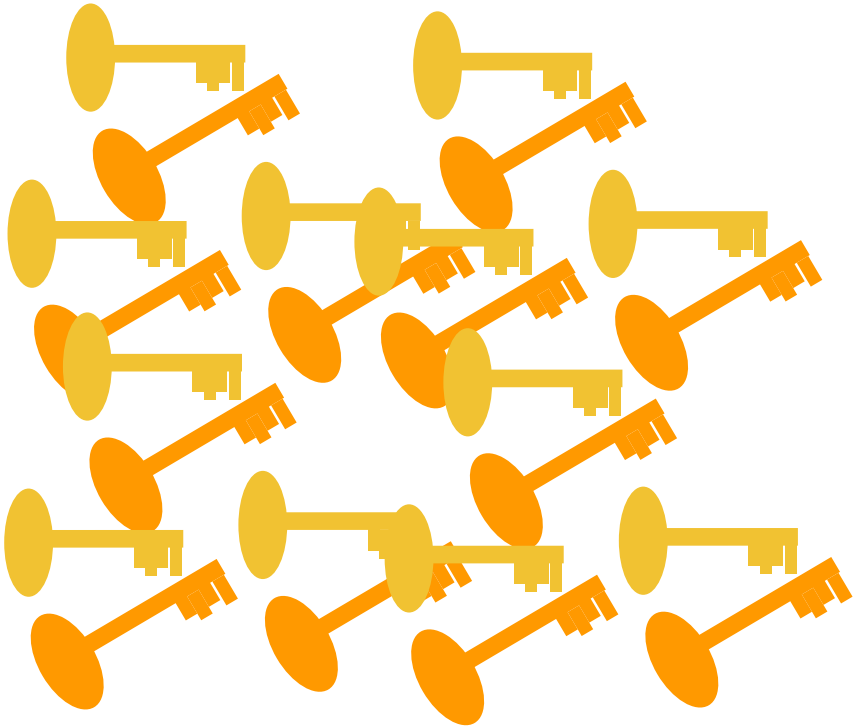
Problems

In which lock(problem) the key(idea) will fit

Idea

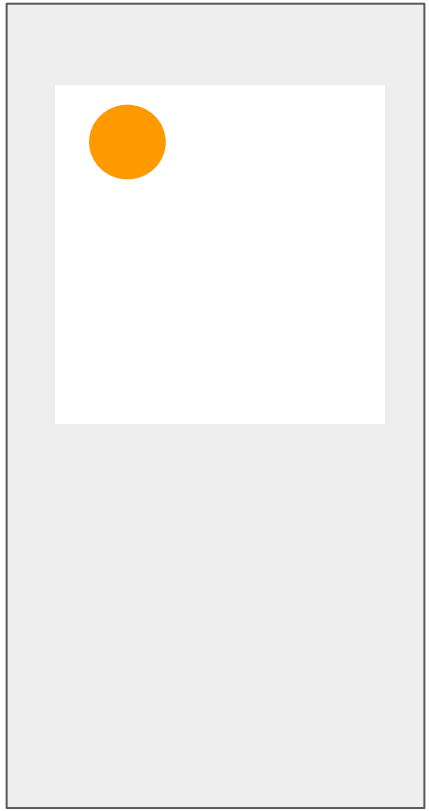


Which key (idea) will open the lock



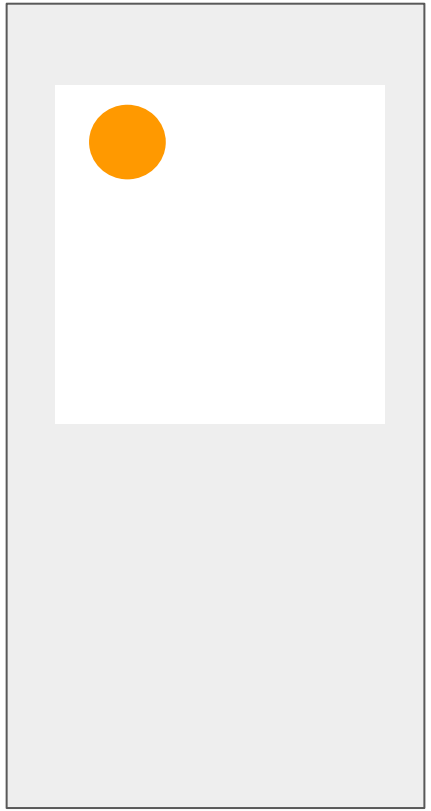
Features provided in the applications

- Social media for ideas
- You can post an idea, upvote and idea and also comment on an idea
- You can set free upvoting free you can make you monetized upvoting (example: you each like will add fund of 1 euro to the idea you liked
- Along with likes you can also post problems and the app will automatically fetch idea that has potential solution to your problem
- Just like posting an idea, you will be also posting



Features provided in the applications

- Climatic impact of a solution (like carbon footprint) will be calculated
- You can get your solution verified/validated by the experts
- In your feed you will get customized problems and solution and vice versa for problems



Who are going to serve?

Any

- Entrepreneurs
- Academic institutions
- Investors
- Researchers
- Anyone with idea
- Anyone with money
- Anyone with expertise

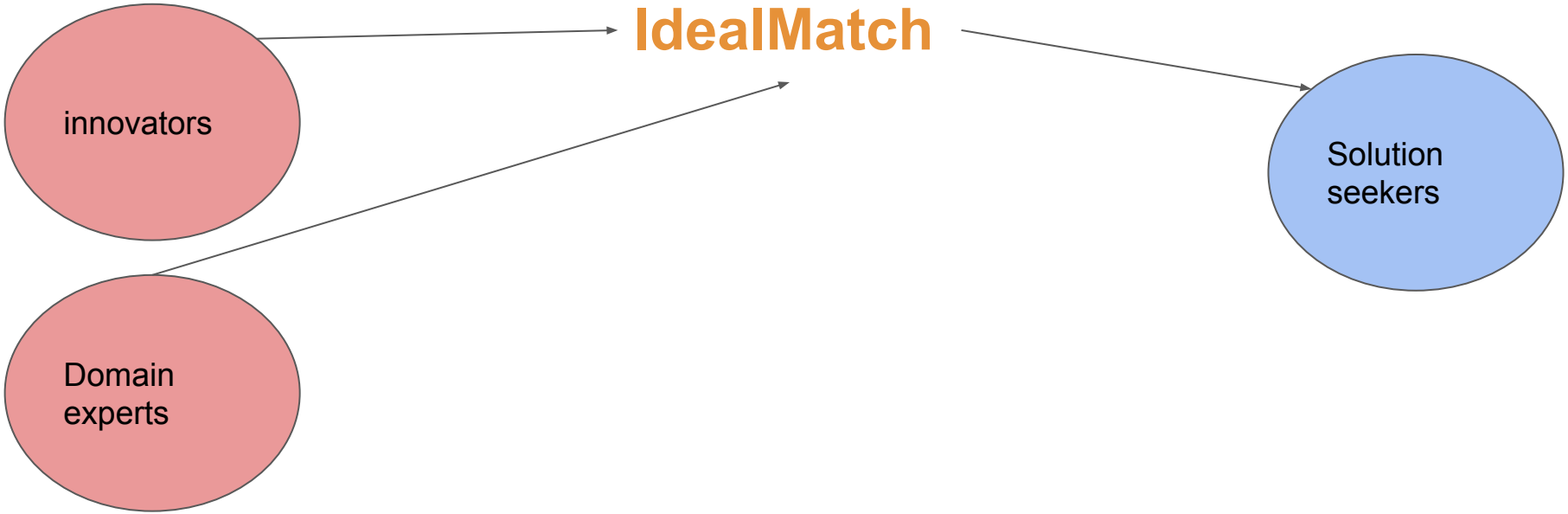
Working in the area of sustainability and/or want to solve an environmental problem

Target User base

- For innovators
  - Researchers/professors/anyone publishing research paper
  - Providing a direct way to monetize the published research
  - Since research papers are very well written, they already contain credible solution to a problem and therefore are easy to process
  - The idea posting interface will already contain feature template to directly upload research paper

- For solution seekers
  - Government bodies/organisation who are actively working to solve problems related to pollution/environmental impacts
  - Chemical industries, factories who are actively working to reduce their climatic impact (can directly add the companies which are working in partnership with the university)
  - Sustainable startups

Types of customers



How the application is monetized

- The solution seekers are going to be the main source of income for the application
- The people who posted and the verifiers their idea will be paid based on number of times their ideas were implemented by solution seekers

Sample problem

- Problem statement : Need to **segregate** all the **plastic** from a **garbage** dump in **city**
- Type of geography : **land**
  - Area : 10 km square
  - Location : coordinates of the land
- Existing solution : Plastic waste burned in landfill
  - Cost : 1 Euro/day
  - Carbon Footprint : 1000 unit/day
- Expected solution :
  - Cost : 100 Euro/day
  - Carbon Footprint : 10 unit/day

Sample problem

- Based on the attributes added, land area and emission, and the set goal for emission and carbon footprint, the amount need to be paid solution will be calculated
- For certain range the access to solution will be free (that way solution can be sought and tested before small use case)
- There will be no charge to upload the problem but to access full solution there will charges
- The brief solution/abstract will be a accessible for free

Sample Solution

- Problem statement : Need to **segregate** all the **plastic** from a **garbage** dump in **city**
- Type of geography : **land**
  - Area : 10 km square
  - Location : coordinates of the land
- Existing solution : Robotic waste segregator
  - Type of object : **electronic**
  - Required resources for manufacturing: **Mitsubishi motor, Siemens wires, …..**
  - Process of manufacturing : **3d-printing, machine assembler, …..**
  - Electricity consumption :10 units/per hour
  - Expected rate of segregating plastic : 10 kg/ hour

Expected impact:

Total cost : 50 euro/day

Total carbon footprint : 40 unit/day

Sample solution

- The amount an idea will be paid will be proportional to the
  - Number of problems it solved/used
  - The impact of the problems it solved
- The solutions which are verified by experts will be paid more
- Any accepted/published research paper or patent will be considered as verified by default

The verification process

- Just like the innovators who post ideas, the experts who verify solution will be provided credits to verify a solution
- To maintain the credibility of verification process, the solution seekers will be asked to review the solution after a while
- Based on the review, the rating system will rate credibility of the verifiers, as well as the solution
- Before verifying solutions for monetized problems, a expert needs to have verified at least (say 100) non-monetized solutions and have rating greater than certain amount (say 4 out of 5)