## Xtreme Programming

- Takes best practices of software dev. to extreme levels.
  - └ 2 people code single requirement (pair programming)
  - └ code review : from peers. - scalable, optimal etc.

- Agile framework for higher quality software

## XP Principles

1) Customer is a team member. Best is if customer & developer work in same room.

2) User stories need not be very detailed. Focus is on delivering product then improve on feed backs.

3) Short cycles : max 2 weeks.

4) Iteration plan : same as sprint plan in scrum.
   - └ select stories to develop, no changes during development.

5) Release plan : Iteration plan for the next 6 releases.
   (forward planning)

6) Acceptance test written immediately ( concurrent with user stories.

7) All features developed with Pair programming.
   - └ 1 type on keyboard.
       The other watch for errors / improvements.
   - Roles should switch intermittently.

8) Test driven development ⇒ test cases written first then code developed to make test pass.

9) Collective ownership. → Everyone works on UI, serverside, db.

10) Continuous Integration → Every change pushed & build

11) Sustainable pace → No OT

12) open workspace → All in same room.

13) Simple Design ⇒ MVP instead of edge cases.

14) Refactor code frequently