

# The Rules of Extreme Programming

#### **Planning**

- <u>User stories</u> are written.
- Release planning creates the release schedule.
- Make frequent small releases.
- The project is divided into <u>iterations</u>.
- <u>Iteration planning</u> starts each iteration.

### **Managing**

- Give the team a dedicated <u>open work</u> <u>space</u>.
- Set a <u>sustainable pace</u>.
- A <u>stand up meeting</u> starts each day.
- The <u>Project Velocity</u> is measured.
- Move people around.
- Fix XP when it breaks.

## Designing

- Simplicity.
- Choose a <u>system metaphor</u>.
- Use <u>CRC cards</u> for design sessions.
- Create <u>spike solution</u>s to reduce risk.
- No functionality is added early.
- Refactor whenever and wherever possible.

# Extreme Programming Project



#### **Coding**

- The customer is <u>always available</u>.
- Code must be written to agreed <u>standards</u>.
- Code the <u>unit test first</u>.
- All production code is <u>pair programmed</u>.
- Only one pair <u>integrates code at a time</u>.
- Integrate often.
- Set up a dedicated <u>integration computer</u>.
- Use <u>collective ownership</u>.

# **Testing**

- All code must have <u>unit tests</u>.
- All code must pass all <u>unit tests</u> before it can

be released.

- When <u>a bug is found</u> tests are created.
- Acceptance tests are run often and the score is published.

Let's review the values of Extreme Programming (XP) next.

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