

Bangazon Orientation



Teamwork Using Sprints

Topics

1. Agile Development
2. Scrum
3. Bangazon Ground Rules

Waterfall

The old way of doing project management. Non-iterative, linear progress.

Software done in 6 distinct phases:

1. Requirements
2. Design
3. Implementation
4. Verification
5. Deployment
6. Maintenance

Problems with Waterfall

Unknown, unexpected requirements

Major problems aren't identified early

Clients don't see projects until the development is done

Agile Methodology

Agile is a time boxed, iterative approach to software delivery that builds software incrementally from the start of the project, instead of trying to deliver it all at once near the end. -AgileNutshell.com

Individuals and Actions Over Processes and Tools

**Working Software
Over
Comprehensive Documentation**

Customer Collaboration Over Contract Negotiations

Responding to Change Over Following a Plan

Scrum

Scrum Team Roles

Product Owner - Represents the product's stakeholders to the team. Acts as the voice of the customer. Sets priorities, gives requirements.

Scrum Master - Helps the team deliver work by removing roadblocks. Runs the daily standup and ensures the team follows scrum process.

Development Team

Scrum Workflow

Scrum developments is done in sprints (iterations) that last for a preset amount of time.

Each sprint consists of:

- Planning
- Daily scrum meetings
- Review
- Retrospective

Other processes: Backlog Grooming, Team Norms

5 Values of Scrum

Commitment: Team members individually commit to achieving their team goals, each and every sprint.

Courage: Team members know they have the courage to work through conflict and challenges together so that they can do the right thing.

Focus: Team members focus exclusively on their team goals and the sprint backlog; there should be no work done other than through their backlog.

Openness: Team members and their stakeholders agree to be transparent about their work and any challenges they face.

Respect: Team members respect each other to be technically capable and to work with good intent.

Benefits of Scrum

Scrum assumes that requirements will change. Being able to get near-immediate feedback allows a team to move with change as it happens.

Scrum let's teams delivery quickly. Teams don't wait until all requirements are clearly outlined before they start working - the only part that has to be defined is the work of a sprint.

**How does this
work in the real
world?**

Bangazon Ground Rules

Planning

Daily Stand Up

Retrospectives
