Scrum

- **Scrum Team**
  - Product Owner (Managing Product Backlog)
  - Development Team (deliver potentially releasable increment of 'done')

  - Scrum Master

- **Scrum Events**
  - The sprint (one month or less)

  - Sprint Planning (eight hours or less for one month sprint)

    1) What can be delivered in the increment (select from backlog)

2) How will the work needed will be achieved.

- Daily Scrum (15 min timed)

  1) What did I do yesterday
  2) What will I do today

- Sprint Review (4 hour meeting)

  1) Inspect the increment and adapt the backlog
  2) Collaborate on the next things to improve value

- Sprint Retrospective (last day)

  1) Inspect how the last sprint went (people, tools, process)
  2) Identify and order the major items that went well
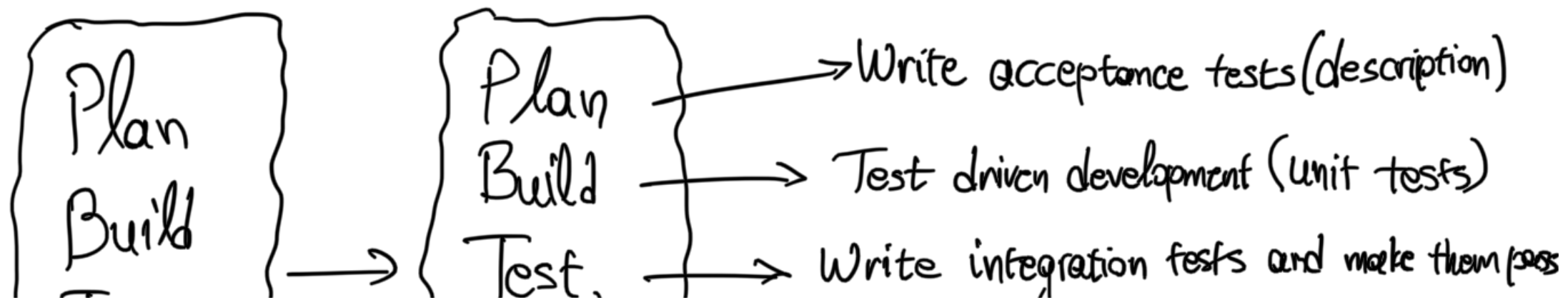 3) Create a plan for implementing improvements to the way the team works.

— Scrum Artifacts

- Product Backlog
  1) Ordered list of everything known to be needed in the product
  2) Never complete
  3) Lists features, functions, requirements, enhancements, fixes, test descriptions.

- Sprint Backlog
  1) Set of product-backlog items and a plan for delivery selected for the sprint
  2) A forecast by the development team about what functionality will be in the next increment.

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┌─────────┐        ┌─────────┐
│ Plan    │        │ Plan    │ ──────────→ Write acceptance tests (description)
│         │        │         │
│ Build   │        │ Build   │ ──────────→ Test driven development (unit tests)
│         │ ──────→│         │
│         │        │ Test.   │ ──────────→ Write integration tests and make them pass
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Test
Review

Review → Make acceptance tests pass

→ High level evaluation for shipping potential

Sprint1 —> Sprint 2 · · · · ·

Burndown Chart

(requirement)

(work)

Should zero out

(time)