## Agile & Soum Cheat Sheet

Agile Principles

- 1) Customer Satisfaction
  - · Highest priority: Delivere valuable roftware to customers.
  - · Friequent Delivery: Deliver working s/w frequently: from a coupie of months.
- 2) Embrace Change
  - · Welcome changes: Accomodate changing requirements, even late in development
  - · Flexibility: One change to haveness competitive adventage for the customer.
- 3) Indiamental Delivery
  - · Small Increments: Break projects into small; nanageable increments for prequent delivery.
  - · Continuous Feedbook: Use regular feedback to refine a impeare the product.
- 4) Collaboration
  - · Daily Interaction: Developers & business Jeoble must work together daily throughout the project
  - · Oustoner Alaboration: Engage customer involvement.

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- Motivated Individuals
  - . Seffort & Trust: Build projects around motivated individuals, giving them the enviseonment & suffert they red & trust them to get the job done.
- 6) Face to Face Communication
  - . Use face-to-face communication as the most efficient & effective method of conveying information within a development team.
- ) working Software
  - · Primary measure: Use working software as the frimary measure of progress.
- Surtainable Development
  - · Pace: Promote sustainable development, maintaining a constant pace indefinitely.
- Technical Excellence 9)
  - Enhance Agility: Continuos attention to fechnical excellence & good design enhances agility.
  - Simplicity 16)
    - · Maximize work not done
  - · Best Architectures: The best architectures, requirements · Self Organizy Teans

## Soum Francwork

- 1) Soum Team
  - Beodut Owner, Broduct Streen Marter & · Composition: Development Team
  - · Collaboration: Operates collaboratively with shared goals
- 2) Product Owner
  - · Role: Represents stakeholders & prioritizes the backley
  - · Backlog Monagement: Ensures backlog items are clear, transpared & prioritized based on humers value.
- · Facilitation: facilitates suum events, nemores impediments 4 ensures 3) Scrum Master serum practices are followed.
  - · Coaching: Coaches the team in Typle practices & promotes continuous improvement.
  - 4) Development Team
- · Role: Cuard-functional team that develops the product · Self-Organizing: Decides how to accomplish work set in each spount.

## Scrum Events

- i) sprint:
- · Duration: Time-boxed duration (2-4 weeks) where apotentially shippable product in evenery is excelled.
  - · Fivel legth: Consistent duration throughout the project

- 2) Sprint Planning · Goali define what can be delivered in sprinted how the work will be achieved · Pauticipants: Entire Scum Team · Output: sprint Goal, Sprint Backley J) Daily Surin · Dweaton: 15 min time-boxed events held daily · Purpose: Synchetonice activities & create plan for next 24 hrs. 4) Sprint Review Duration: 2-4 hour meeting at end of spoint - Purpose: Inspect increment & adapt freeduct Backley if reeded s) Spring Retrospective · Dureation: 1.5-3 hour meeting after sprint Review - purpose: Reflect on fast sprint & identify improvements Soum Antifacts · Ordered list of all features, finctions, requirements, 1) Product Backlog I fixes that would be made to product. 2) Sprint Backlog · Set of Product Backley items selected for sprint, plus a plan for delivering product increment Sum of all product Backley items completed during a sprint & all previous sprints.