**Agile Part 2nd**

**Document 1: Definition of Done**

The **Definition of Done (DoD)** ensures that a backlog item meets all the agreed-upon criteria before being considered complete. It includes:

* Acceptance criteria met
* Code is written, reviewed, and merged without errors
* Unit tests written and passed
* The feature is tested against acceptance criteria
* Deployment is done in a test environment
* QA testing is completed, and issues are resolved
* Approved by the Product Owner (PO)
* Documentation is updated
* Code refactored and optimized
* Peer code review performed

**Document 2: Product Vision**

* **Vision:** Develop an online platform for TCS account teams to search for Coin AI partners, replacing manual processes and Excel sheets.
* **Target Group:** TCS account teams and stakeholders.
* **Market Segment:** IT consulting and enterprise AI solutions.
* **Needs:**
	+ Eliminates manual email-based partner searches.
	+ Centralizes partner data for efficiency.
* **Product:**
	+ A web-based searchable database.
	+ Integrated with AI for recommendations.
* **Value:**
	+ Faster partner search, improving response times.
	+ Reduces workload, ensuring efficiency.

**Document 3: User Stories**

User stories describe functionality from an end-user perspective to ensure usability and business alignment.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| User Story No | Tasks | Priority | BV | CP | Acceptance Criteria |
| US01 | Search for partners | High | 8 | 3 | Users can search partners by domain and retrieve results instantly. |
| US02 | Filter by criteria | Medium | 6 | 2 | Users can refine search results by industry, location, and specialization. |
| US03 | View partner details | High | 8 | 3 | Users can see a detailed partner profile, including contact information, expertise, and past collaborations. |

**Document 4: Agile PO Experience**

The **Product Owner (PO)** plays a key role in ensuring that the product aligns with business needs and customer expectations. Responsibilities include:

* **Market Analysis:** Understanding the demand for AI partnerships, evaluating competitors, and identifying trends.
* **Enterprise Analysis:** Conducting due diligence on market opportunities to maximize value.
* **Product Vision & Roadmap:** Defining the strategic direction and feature timeline.
* **Managing Backlog:** Prioritizing and refining stories, ensuring alignment with business goals.
* **Sprint Progress:** Tracking development and making adjustments as needed.
* **Meetings Conducted:**
	+ Sprint planning: Define upcoming sprint goals and assign tasks.
	+ Daily stand-ups: Ensure team alignment and address blockers.
	+ Sprint review: Demonstrate completed work to stakeholders.
	+ Sprint retrospective: Evaluate what worked well and areas for improvement.

**Document 5: Product & Sprint Backlog and Burndown Charts**

The **Product Backlog** is a prioritized list of work items that define the product's evolution, while the **Sprint Backlog** contains tasks planned for the current sprint.

**Product Backlog:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| User Story ID | User Story | Tasks | Priority | BV | CP | Sprint |
| US01 | Search partners | UI/Backend | High | 8 | 3 | Sprint 1 |
| US02 | Filter options | UI | Medium | 6 | 2 | Sprint 2 |

**Sprint Backlog:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| User Story ID | Tasks | Owner | Status | Estimated Effort |
| US01 | API Development | Dev 1 | In Progress | 5 days |
| US02 | UI Implementation | Dev 2 | Not Started | 4 days |

**Burndown Charts**

Burndown charts visually track progress, illustrating remaining work versus time. They help identify bottlenecks and ensure timely delivery.

* **Product Burndown Chart:** Tracks overall project progress.
* **Sprint Burndown Chart:** Focuses on the current sprint’s remaining workload.

**Document 6: Sprint Meetings**

Agile development involves multiple meetings to maintain alignment and efficiency:

* **Sprint Planning:**
	+ Define backlog items to be tackled in the sprint.
	+ Estimate effort and assign tasks.
	+ Establish sprint goals.
* **Daily Stand-ups:**
	+ What was completed yesterday?
	+ What is the plan for today?
	+ Are there any blockers preventing progress?
* **Sprint Review:**
	+ Demonstrate completed features to stakeholders.
	+ Gather feedback for improvements.
	+ Update backlog based on feedback.
* **Sprint Retrospective:**
	+ Discuss what went well and what didn’t.
	+ Identify action items to enhance efficiency in the next sprint.
	+ Foster team collaboration and continuous improvement.