

Software Development
Project



SanHark Project

테스크 작성 가이드라인

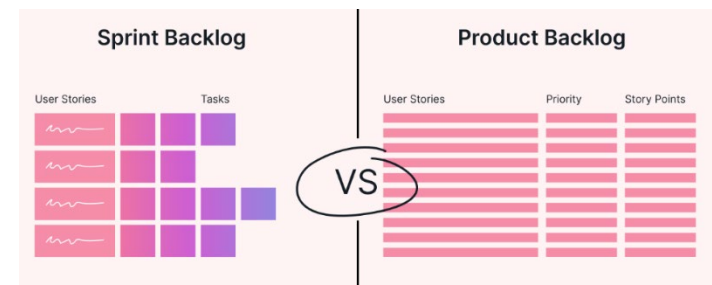
Fall, 2025

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Sprint Backlog

What is Sprint Backlog?

- Based on the subset of the Product Backlog selected for the current sprint.
- A list of tasks to be performed during this sprint period to achieve the sprint goal.
- Content of the backlog
 - Sprint goal + List of tasks, Estimates, Assignments and Responsibilities.
- This is an outcome of Sprint Planning meeting.



Sprint Planning

Guideline of Sprint Planning Meeting

- This meeting decides **what** they will work on in the sprint and **how** they will do it.
- **Procedure of this Planning Meeting**
 - Review Product Backlog based on the priorities and desired outcomes.
 - Brain storming on the backlog items.
 - Decide and agree on the high-level purpose of this Sprint.
 - : Example: “Improve the user login experience by adding social login and reducing login errors.”
 - Select the Backlog Items
 - Forecast how much work can be done, based on capacity and complexity

Sprint Planning

Guideline of Sprint Planning Meeting

- **Procedure of this Planning Meeting**

-
- Select the Backlog Items
- Forecast how much work can be done, based on capacity and complexity
- Items are moved from the Product Backlog → Sprint Backlog.
- Break selected items down into tasks (e.g., design, coding, testing, integration).
- Estimate tasks (story points, hours, or relative sizing).
- Identify dependencies between tasks and risks.
- Assign tasks to development team members
- Confirm Commitment

Tasks in a Sprint

Guideline for Identifying Tasks

- Consider Acceptance Criteria

Story: “As a user, I want to reset my password so I can regain access if I forget it.”

Acceptance criteria:

- Reset link sent by email → Task: “Implement email service integration.”
- Token expires after 15 minutes → Task: “Add token validation logic.”
- User can set a new password → Task: “Create reset password UI.”

- Think in Terms of workflow steps
 - Analysis/Design, Coding, Testing, Integration, Documentation
- Use the One-Day or Less” Rule
 - One Task : be small enough to **complete in one day (4–12 hours)**
- Think in Vertical Slices (work assignment)
 - Don’t assign the task to developer only by technical layer (e.g., UI task, backend task, DB task) in isolation.
 - Prefer vertical slices that deliver visible progress toward the story.

Tasks in a Sprint

Example of identified tasks

Backlog Item: “As a user, I can log in with Google account.”

Tasks could be:

- T1. Research OAuth 2.0 Google login API.
- T2. Add “Login with Google” button to UI.
- T3. Implement backend OAuth callback handler.
- T4. Store user info (ID, email) securely in DB.
- T5. Add unit & integration tests.
- T6. Update documentation (Tech. spec + API doc).
- T7. Verify performance/security criteria (token validation, session expiry).

* **OAuth 2.0** is the industry-standard protocol for authorization. OAuth 2.0 focuses on client developer simplicity while providing specific authorization flows.

Sprint Backlog

Example

ID	User Story	Tasks	Owner	Status	Estimated effort	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
US001	As a call centre agent I need to be able to see the caller's previous tickets in their contact record.	Install standard contact record module	J Smith	Completed	16	0.5	0	0	0	0	0
		Demo standard module and identify revised configuration.	J Smith	Completed		0	8	0	0	0	0
		Complete custom configuration as agreed in the demo.	J Smith	Completed		0	0	6	2	0	0
US002	As a customer I need to be able to login to my account from any page on the website.	Install login widget on website.	F Dole	Completed	48	0	0	5	7	2	8
		Apply customer branding.	J Smith	Completed		0	0	0	0	0	0
US003	As a customer I need to be able to look up my address using my postcode.	Install contact page.	P Murphy	Completed	24	0	0	0	0	0	0
		Integrate postcode plugin to contact page.	P Murphy	Completed		0	0	0	0	0	0
		Demo plugin to customer	J Smith	Completed		0	0	0	0	0	0

스프린트 백로그 (Sprint Backlog) 작성

활동 목적

- 스프린트 동안 구현해야 할 태스크(Task)를 도출하고 목록화
- 구현 기술(Skill)과 복잡도를 고려하여 단의 태스크를 식별
- 1주 ~ 2주 단위에 구현 가능한 태스크를 식별하고 담당자 지정

입력 정보

- 시스템 아키텍처
- 제품 백로그
- 구현 기술 관련 참고 자료

출력 정보

- 스프린트 백로그 : 엑셀(Excel)을 이용하여 작성
- $SB = \{\text{스프린트 ID} + \text{에픽 ID} + \text{스토리 ID} + \{\text{태스크 ID} + \text{태스크명} + \text{소요기술} + \text{담당자} + \text{종료예정일} + \text{진도}\}\}$

스프린트 백로그 (Sprint Backlog) 작성

주요 활동

- 제품 백로그로부터 상위 우선순위를 고려하여 개발 대상 스토리를 선정.
 - 이때, 스토리간 의존성이 매우 높은 경우, 다수 스토리를 선정
- 스토리에 대한 심도 있는 이해와 세부 태스크 도출 (브레인 스토밍)
 - 학문분야(OS, DB, Network, PL 등)를 고려한 작업 내용 고민
 - 여러 유형의 태스크를 고려할 것
 - : 설계 스케치, 구현, 테스트 + 사전 학습 (필요시)
- 식별된 태스크에 대하여 리뷰 및 검토 정리 -> 테스트 확정
- 도출된 태스크에 대한 선후행 작업 의존성을 고려하여 식별자 부여
- 각 태스크 단위로 구현 기술에 대한 확인 / 확정
- 태스크 담당자 지정 및 태스크 의존성을 고려한 종료일 결정
- 스프린트 백로그 완성

과제 안내

과제명 : 테스트 도출 및 개발 계획 작성

과제 제출 기한 : 10월 13일(월) 밤 12시전까지

과제 내용

- 엑셀 파일을 이용하여 개발 태스크를 목록화 한다.

제출물 : 스프린트 백로그 (엑셀 파일)

제출장소 : LMS 과제 보드에 업로드

과제 제출 참고사항

- 팀에서 한 사람만 제출할 것
- 파일명 : Team Name_SB-0N_V1 과 같은 순서로 부여할 것

산학 프로젝트 – Sprint Backlog 작성

질의 및 응답

