AI Interview Coach – Agile Project Management with Jira

Project Overview

This project demonstrates how to manage and deliver a software MVP using Agile Scrum practices in Jira.

This product concept is an AI-powered interview practice platform that helps job seekers prepare for technical and behavioral interview through AI-generated questions, real-time feedback, and progress analytics.

- Methodology: Scrum [2 weeks sprints]
- Tooling: Jira [board, backlog, reports], GitHub [documentation]
- Velocity target: ~20 story points per sprint
- Scope: 5 epics, 12 user stories

Backlog: Epics and User Stories

Epic 1: User onboarding and authentication

- A1 = email and password signup [5 SP]
- A2 = login/logout [5 SP]
- A3 = Google login [5 SP]

Epic 2: Interview simulation engine

- B1 = AI generated job-specific questions [8 SP]
- B2 = user types answers [3 SP]
- B3 = unique questions each session [5 SP]

Epic 3: Feedback and analytics

- C1 = AI feedback on answers [8 SP]
- C2 = Progress dashboard [5 SP]

Epic 4: Subscriptions and payment system

- D1 = Subscription and stripe integration [8 SP]
- D2 = admin subscription dashboard [5 SP]

Epic 5: Web MVP launch

- E1 = responsive web design [5 SP]
- E2 = landing price with pricing [3 SP]

Total backlog size = 65 SP

Sprint 1 Report (Executed in Jira)

Sprint Goal: Deliver basic authentication and an AI Q&A prototype.

Stories Delivered (21 SP):

- A1: Signup (5 SP)
- A2: Login/Logout (5 SP)
- B1: AI Questions (8 SP)
- B2: Answer Input (3 SP)

Process & Daily Updates

- Day 1: A1 (Signup) moved To Do → In Progress.
- Day 2: A2 (Login/Logout) moved To Do → In Progress.
- Day 3: QA bug found in signup → A1 moved back to In Progress.
- Day 5: B1 (AI Questions) blocked due to API quota → flagged in Jira.
- Day 6: Blocker resolved → B1 unblocked and continued.
- Day 7: B2 (Answer Input) started.
- Day 10: All Sprint 1 stories moved to Done.

Daily comments & blockers were logged in Jira to simulate real team activity.

Jira Reports

- Burndown Chart: Showed a gradual decline with a dip around Day 5 due to blocker.
- Velocity Chart: Sprint 1 velocity established at 21 SP.
- Board Progress: Reflected realistic flow of To Do → In Progress → Done.

(Placeholder: Insert board screenshots, burndown chart, velocity chart here once exported from Jira)

Sprint Review

- Demoed: Signup, login/logout, and AI-generated questions with answer input.
- Stakeholder Feedback:
    - Add Google login earlier than planned.
    - Consider voice input for answers in a future sprint.

Sprint Retrospective

- What went well: Authentication features integrated smoothly.
- What didn't: API quota limits slowed down AI question delivery.
- Action items: Use mock APIs in early development phases to reduce dependency delays.

Roadmap [Future sprints – Theoretical]

Sprint 2 Goal: Enhance AI feedback and onboarding

- A3 = google login
- B3 = unique question every session
- C1 = AI feedback on answers
- E2 = landing page

Sprint 3 Goal: Payments and full MVP readiness

- C2 = progress dashboard
- D1 = subscription system
- D2 = admin dashboard
- E1 = responsive web

Agile Learnings

- Daily board updates improve reporting accuracy – burndown chart reflects real progress only if tasks are moved daily
- Blockers highlight risks – simulated API quota limits created a realistic impediment scenario
- Velocity established [21 SP] - will guide future sprint planning
- Scrum ceremonies matter – sprint review + retrospective gave structure to improvements