Exercise walk-through

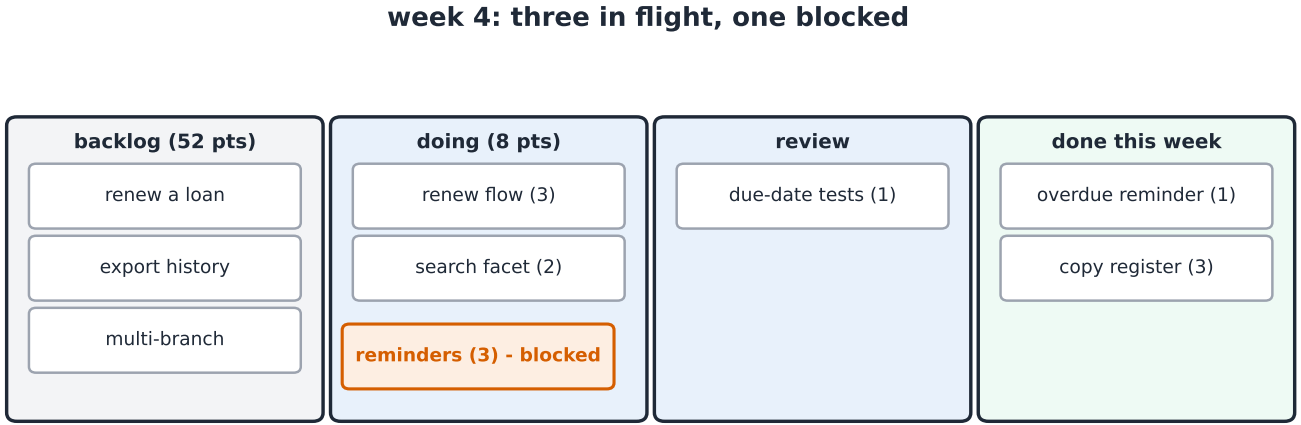
12.7
Team project

University Computer Science

Team project: the board tells the truth

1. **Board** Week 4: three stories in flight, the reminder story blocked on the notifier credential - visible, raised, paired on.
2. **Estimate** 8 points/week velocity; 52 remaining = about 6.5 weeks, plus or minus one - recalibrated every **retro**.
3. **Escalate** Blockers older than two days escalate (one in the course history, resolved in a day); the retro changes one thing at a time.

Project board



velocity 8 pts/week: 52 remaining = ~6.5 weeks (± 1); done = CI green + reviewed + docs

blockers older than 2 days escalate; the retro changes one thing at a time

a story without an acceptance test has no done - it has a mood

> Week 4: three in flight, one blocked on the notifier config.

Check yourself

- FR-2 says the due date is…? (Borrow date + 21 days.)
- The smeared loan rule touches…? (3 **layers**, 5 files.)
- Bisect over 12 commits: at most…? (4 checkouts.)
- The authorisation matrix allows… of 18? (4.)

Exercises 2.1·2.3

2.1 What must every story carry before it enters doing? [3]

2.2 Compute: 36 points remaining at 8/week. [3]

2.3 What does the retro change? [3]

Exercises 2.1·2.3

2.1 What must every story carry before it enters doing? [3]

2.1

- Its acceptance test (named, runnable) ✓.

2.2 Compute: 36 points remaining at 8/week. [3]

2.2

- 36 / 8 = 4.5 weeks ✓.

2.3 What does the retro change? [3]

2.3

- One process thing at a time ✓.

Exercise 3.1

3.1 Week 6: the board shows 24 points remaining; velocity has been 8, 8, 6, and 8 over the last four weeks.

Compute the average velocity and the forecast with its error bar. State what recalibrates the estimate and when. The renewal story (3 points) has been blocked for 3 days: state the escalation and its resolution path. Define done for that story. [8]

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3.1

- Average velocity: $(8 + 8 + 6 + 8)/4 = 7.5$/week ✓.
- Forecast: $24/7.5 = 3.2$ weeks, stated as ~3 weeks $\pm$ 1 ✓.
- Recalibration: every retro, from the measured throughput ✓.
- Escalation: 3 days $>$ 2 – raise to the owner (notifier credential decision), resolve by pairing or a decision; the course's one escalation resolved in a day ✓.
- Done for renewal: acceptance tests green (renew twice, refusal cases), reviewed, merged to main, docs updated ✓.

Exercise 3.2

3.2 Two ceremonies, one failure mode each.

Standup: describe the failure (status reports to a manager) and the fix (a plan among peers – what does each member say?). Retro: describe the failure (complaints without change) and the fix (one process change at a time – give an example from the course history). State what makes the board the daily truth. [7]

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3.2

- Standup failure: reporting status upward – fix: each member says what I did, what I plan, what blocks me – commitments among peers ✓.
- Retro failure: venting with no change – fix: one process change per retro, e.g. the course's "PRs under 200 lines" rule ✓.
- The board is the daily truth because done inherits CI's verdict and blockers are visible – mood is not a column ✓.