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Nurse Medication Tracker

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Team Process

Team meetings (3 weekly stand-up meetings, 1-2 longer meetings)

Sprint 1: initialized structure beginning with completing the basic "student views"

Sprint 2: implemented most of the major functionalities

Sprint 3: Frontend redesign and implementation of advanced functionalities

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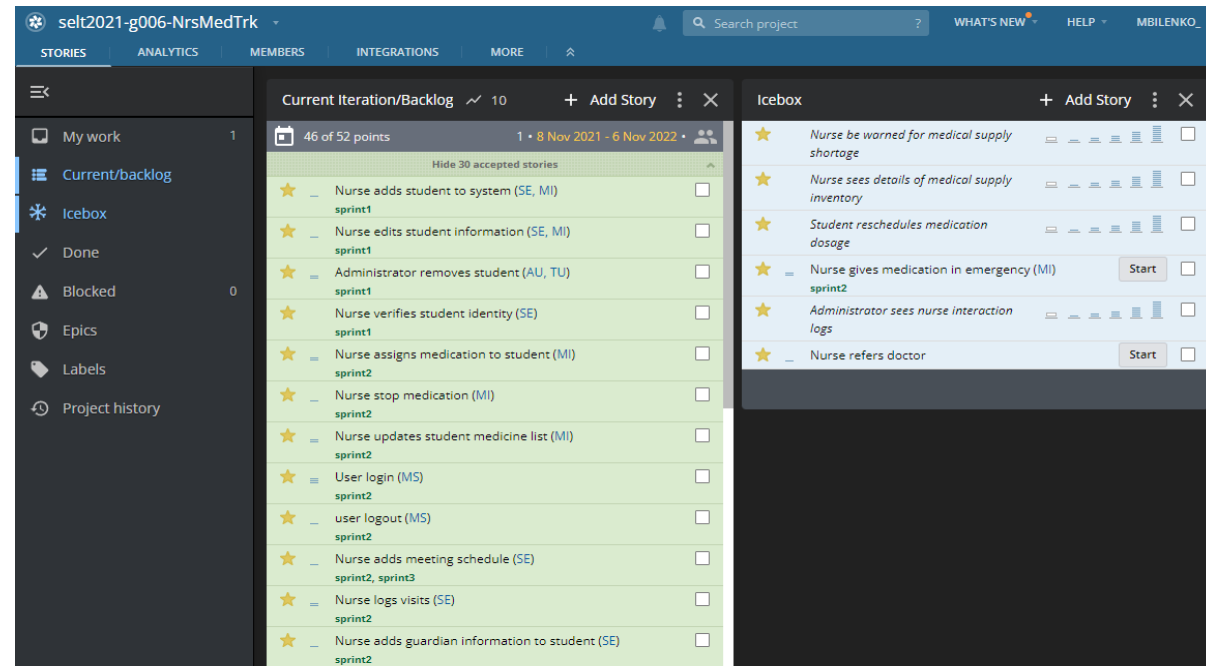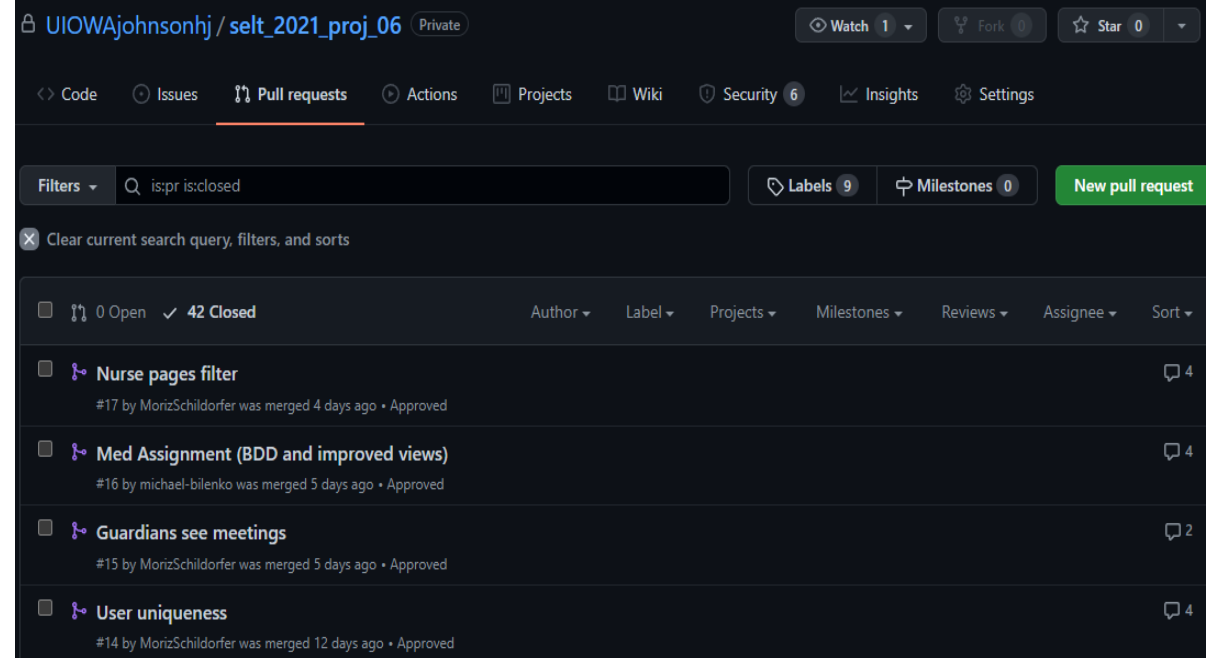
Usage of tools

- GitHub
  - PR Submissions and reviews
  - Merging Conflicts
  - Wiki pages
- →Pivotal Tracker
  - Managing tasks and features
- →Microsoft Teams
  - Communication and Meetings
  - File sharing

Testing

- BDD (cucumber)
- TDD (rspec)

As a team we required BDD user stories and TDD tests for the controllers to be written before accepting pull requests for a new feature.

Testing was critical when merging new features and improvements to ensure the application still functioned properly.

| All Files (95.75%) | Controllers (96.08%) | Channels (100.0%) | Models (92.94%) | Mailers (100.0%) | Helpers (100.0%) | Jobs (100.0%) | Libraries (100.0%) |

All Files (95.75% covered at 5.61 hits/line)

36 files in total.
494 relevant lines, 473 lines covered and 21 lines missed. (95.75%)

File	% covered	Lines
app/controllers/adverse_effects_controller.rb	0.00 %	2
app/controllers/users_controller.rb	0.00 %	4
app/models/guardian.rb	70.00 %	16
app/models/student.rb	78.57 %	21
app/controllers/sessions_controller.rb	94.59 %	55
app/controllers/nurses_controller.rb	94.74 %	73
app/controllers/students_controller.rb	95.06 %	134
app/controllers/medications_controller.rb	96.55 %	53
app/controllers/schools_controller.rb	96.77 %	55
app/controllers/medication_assignments_controller.rb	97.30 %	64
app/controllers/administrators_controller.rb	100.00 %	41
app/controllers/application_controller.rb	100.00 %	30
app/controllers/guardians_controller.rb	100.00 %	26
app/controllers/meetings_controller.rb	100.00 %	123

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Advanced Ruby Topics

- Mailing
  - Users are automatically sent their login details when added
- JavaScript:
  - A chart showing the flow of meetings for administrator (gem)
  - Checking meeting history with three checkboxes of logs – hide and show meetings
- → Filtering
  - Restrict access to pages based on user type
- → Validation
  - Enforce properties of data input

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Lessons Learned

- Some of the Problems/Issues from our sprint summaries
  - ❖Insufficient frequency of pull requests
  - ❖Imbalance of capability
  - ❖Overlapping tasks and failed to cooperate
  - ❖Lack of communications
  - ❖Personal tech issues
- ❖Adjustments made
  - ❖Utilize teams to split calls into groups
  - ❖Split features into more PRs
  - ❖Mention issues outside of meetings

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Questions