

## Sprint Goal

The goal is to achieve the MVP by the end of this sprint. The main new features that are required for this is integration with execute and test and email notifications. The other goals are all related to polishing features, ensuring that users are authenticated properly, and making sure any information on the front end that currently is hardcoded as a display properly pulls from the backend. Finally, we intend to have our gamification through competition complete (streaks, points, point multipliers).

- FIX EVERYTHING THAT CURRENTLY HAS ISSUES
- Email:
  - Email notifications for streaks ending
  - Email notification upon admin feedback
- Gameification
  - Leaderboard:
    - Add leaderboard page
    - Delete leaderboard sidebar
    - Pull top 10 from backend
    - Pull user information from backend
  - User:
    - Keep track of points
    - Set up point giving algorithm
    - Streaks
- User Management
  - Admin:
    - Save admin flag to browser settings when logging in
    - Direct admins that login to admin dashboard instead of homepage
  - All users:
    - Change create account page to require an email
    - Update db to store an email
- Other:
  - code execute and test linking
  - External DB

## Team Capacities

- Kelly Vu
  - Base Hour: 15 🧐
  - Database Midterm, ML Project
- Eli
  - Base : 15
  - Perhaps more

- Jack
  - Base: 15
  - 2 exams but hours should be unchanged
- Will
  - Base: 15 hours
- Ryan
  - Base Hours: 15
  - not much

## Planned User Stories

- Us-0.4 : question feedback
- Us-1.3: email notifis
- Task : sort topics / question types
- Us-3.4: user account administration finalized
- us-2.1 : sorting difficulty categories
- Task: setup external database
- Us-2.13: coding questions support
- TASK: External db
- US1.6: Admin dashboard button/verification

Other stuff:

User clocks

Improvements over sprint 3:

Continuing daily check ins

More consistent communication

Better branch based development

Always have a relevant person review your code

Fix branch naming - usX.X

Don't touch stuff if your name isn't on the trello unless you've talked to the people whose names are on the trello.

Pages:

Website theming will stay Green.

## Leaderpage:

- Display username
- Streak, total correct answers (percent) , and questions answered (percentage; e.g. questions out of all lesson questions done.)

## Homepage:

- Top green bar: Lesson title
  - Back button: Shows all progress for lessons
- Circle: will become questions from lessons
- Remove all questions at bottom section
- Make center dark white, right bar lighter white, profile cards pure white

## Settings:

- Receive notif toggle
- Font size adjust

## Sidebar Nav

- Add leaderboard to bar
- Should the toggle mode have a toggle button?
  - tOGGLEdark should either be on very top or very bottom.
  - Highlight specific page button? On sidebar when on that page

## Picobytes Store (monetization...?)

- Items:
  - memory leak - take points away from someone else
  - seg fault - locks someone out of account
  - skip question
  -

## Current Issues:

- Leaderboard placement
- Questions aren't saved
- Login isn't verified
- Email notifs dont work
- Admin button is hidden unless you modify browser settings
- Lessons aren't handled
- True false question issues
- Potential code blocks and free response question problems

## REFERENCES FOR WEB DESIGN (TAKE A LOOK):

 CS486 - Sprint 0