Coding Challenge System Preliminary Meeting |MINUTES

Meeting date | time 10/1/2021 1:00 PM

Meeting location: Heritage College - C201

# Attendees

|  |  |  |
| --- | --- | --- |
| Abraham Getachew | Scribe |  |
| Alex Dionne | Dev Team |  |
| Allan McDonald | Client |  |
| Arsen Hakobyan | Dev Team |  |
| Emmanuelle Fontaine | Dev Team |  |
| Nahom Haile | Dev Team |  |
| Noah Loomis | Dev Team |  |
| Richard Chan | Project Manager |  |
| Zhaojiang Zhong | Dev Team |  |

# Invited but Did Not Attend

N/A

# Subject

Coding Challenge System Preliminary Meeting

# Discussion Topics

* Advent of code style vs Code wars style in system design
* Student and access to challenges
* Priorities for Coding Challenge System Trade Offs
* Test case input for challenges and different programming languages
* Teacher permissions
* Browsers supported
* Technologies used and excluded
* Security
* Release 1 focus
* Additional statistic features

# Decisions

|  |  |  |
| --- | --- | --- |
| D1 | Make feature completeness a lower priority in favor of higher quality | * (sliders) |
| D2 | Make maintainability second highest priority | * (sliders) |
| D3 | Make detailed audits / logging a much lower priority | * (sliders) |
| D4 | Include some personal statistics for students, relating to only themselves and not comparing to other students | User Story #35 |
| D5 | Make test case creation easier by adding textboxes for test function name, its parameters and the expected test results. | User Story #199 |
| D6 | Include logging to detect if someone is abusing the system or making too many attempts | User Story #200 |
| D7 | No file submission for test cases is necessary | User Story #199 |
| D8 | Include statistics for teachers to detect if most students failed a specific test case of a challenge | User Story #22 |
| D9 | The teacher does not have access to any of the courses they’re teaching | - |
| D10 | Add option to turn off/turn on challenges | Task #91 |
| D11 | Add the ability for teachers to set permissions on challenges (which students can access them) | User Story #40 |
| D12 | All 3 main browsers (Edge, Chrome, Mozilla) need to be supported. Optionally Puffin browser can be added as well. Puffin can be chosen over Chrome. | User Story #201 |
| D13 | All students have access to all the challenges | User Story #40 |
| D14 | Clara will not be used in this project. | User Story #200 |
| D15 | .NET 5 Core will be used for most of the project | Task #174 |
| D16 | Both the code wars style of editing code in browser, and advent-of-code style of entering the result in a text box are to be kept in the design/architecture of the system | User Story #32 and User Story #23 |
| D17 | Security is not a big concern, since no sensitive data is being used (all protected A and below, not B or C). | User Story #200 |
| D18 | Students need to be able to see personal stats, ie attempted java challenge 14 and get 8/10 attempts. | User Story #35 |
| D19 | Most security will be handled by AMS. | User Story #200 |
| D20 | Prioritize making compiler for one, maybe two languages. | User Story #34 |
| D21 | Test case creation options will vary depending on the language. | User Story #199 |

# Actions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A1 | Send out meeting minutes | Abe | Send out copies of the meeting minutes to the client and project manager | Open | 6/10/2021 |
| A2 | Send out commit email | Nahom | Send out the commit email to the client and project manager, detailing when the sprint will start and end and what the sprint target deliverables will be | Open | Within two weeks  (15/10/2021) |
| A3 | Decide whether to support programs outside of Computer Science | Noah (to discuss with team) | Decide whether to support programs outside of Computer Science (New Media, Science etc) | Open | Before the next meeting  (15/10/2021) |
| A4 | Decide whether there are “Gatekeepers” | Allan and Richard | Follow up on whether a teacher that does not teach a certain programming language can edit another teachers’ programming challenge that uses the language | Open | At the next meeting  (15/10/2021) |
| A5 | Update Diagrams | Nahom and Alex | The context diagram (And maybe use case diagram) needs to specify the two ways questions can be answered, code wars style or advent-of-code | Open | 6/10/2021 |
| A6 | Js or python | Noah (to decide with team) | Decide on which programming we would like to select for a compiler. | Open | Within two weeks  (15/10/2021) |

# Follow up and next steps

We will get clarification from Allan at next meeting on October 15, 2021 at 12:30pm

We will send out commit email to Allan within 2 weeks

We will send out a copy of the meeting minutes by Wednesday, 6 October

We will discuss whether or not to prioritize JS or python as our main programming language for our compiler as a group

We will discuss as a group if we want to allow all students in the college to access our system, or only Computer Science students