

CodeXE Logbook

Week Number	Term	Activity Conducted
3	Autumn	Began research on different web development tools. Had a meeting with rest of supervisor group and heard the PIDs for everyones project.
4	Autumn	Began research on different backend tools. Experimented with building a Ruby on Rails application. Had another meeting with project group.
5	Autumn	Looked at Node.js for the backend of the application and REST APIs.
7	Autumn	Presented initial project idea to supervisor groups and progress that had been made.
9	Autumn	Small amount of work on project. Attended supervisor meeting.
1	Spring	Started work on new project idea
2	Spring	Coding work began on front end and backend of CodeXE.
3	Spring	Add container API for backend.
4	Spring	Add connection status to top of every page of the front end. Demo to supervisor 1-1 and illustrated how application works with diagram.
5	Spring	Get code execution working.
6	Spring	Demo and presentation to supervisor group.
8	Spring	Get create exercise working.
9	Spring	Stream switching working for exercise page.
11	Spring	Add file browser in Sandbox page.

Below is the list of coding activity that took place during the project based off of the Git Logs of the various repositories that were used. This is in time order sorted ascending starting from the 16th of January and leading up to the 15th of April which are all the weeks that were spent coding. Prior to this point, the project was a different idea and the 16th of January is when I started code that resembles the project that has been created.

Date	Name	Repository
2019-01-16 15:03:43	New server	Backend
2019-01-18 19:26:32	Switch to NextJS	Frontend
2019-01-19 19:45:55	Add socket io and finish sandbox layout	Frontend
2019-01-19 19:47:11	Add docker config stuff and comment out mongo	Backend
2019-01-21 11:30:02	Add container start call and add status indicator to header	Frontend
2019-01-21 12:52:09	Automatically scale up and down	Backend
2019-01-21 12:52:29	Scale container	Frontend
2019-01-21 12:56:00	Add comment	Frontend
2019-01-21 12:58:05	Status box shadow change	Frontend
2019-01-27 12:25:18	Change to get docker working	Backend
2019-01-27 16:06:59	Convert to TypeScript. Try implementing exec	Backend
2019-01-27 17:27:36	Get execution kinda working	Backend

2019-01-27 17:29:22	Hook up exec properly	Frontend
2019-01-27 17:29:38	Fix type issue	Frontend
2019-01-29 09:32:43	Get execution working	Backend
2019-01-29 13:37:43	Get C++ working	Backend
2019-01-29 16:55:33	Bunch of stuff tbh	Frontend
2019-01-29 16:55:51	Added name back	Backend
2019-01-30 09:03:02	Hooks baaaby	Frontend
2019-01-30 09:50:38	Hooks babyyyy	Frontend
2019-01-31 14:39:44	Small greatness	Frontend
2019-01-31 16:03:51	Exercises design stuff	Frontend
2019-02-01 13:57:27	Start doing exercise building	Backend
2019-02-04 22:21:16	Add models for activities and exercises. Get DC working properly	Backend
2019-02-04 22:22:27	Get activity page basically done just need to hook up	Frontend
2019-02-09 18:23:00	Fix populate	Backend
2019-02-09 18:23:42	Fix populate	Frontend
2019-02-10	Activity hooked up	Frontend

13:16:55		
2019-02-10 13:17:26	Got activities hooked up	Backend
2019-02-11 17:23:27	Get closer to duel streamality	Backend
2019-02-11 17:23:41	Getting closer to dual stream stuff	Frontend
2019-02-11 23:39:22	Looking good	Frontend
2019-02-11 23:39:31	Looking good	Backend
2019-02-12 00:58:02	Changes	Frontend
2019-02-12 00:58:17	Changes for stop container	Backend
2019-02-18 17:33:32	Refactored pages	Frontend
2019-02-23 17:56:35	Almost finish create form	Frontend
2019-02-25 12:49:02	Changes for making own activities	Backend
2019-02-25 12:49:33	Finish Create front	Frontend
2019-02-25 22:36:03	Commit	Frontend
2019-02-25 22:38:48	Create	Backend
2019-02-25 23:46:01	Implement button for create and do media query for big screens	Frontend
2019-02-27 09:22:21	Small	Frontend

2019-02-27 15:30:12	Finish create (pre test)	Backend
2019-02-27 17:39:25	Get creation fully working	Frontend
2019-02-27 17:39:55	Get creation working fully :)	Backend
2019-02-27 17:44:26	Refactor activities to exercises and exercise to activity	Frontend
2019-03-01 11:26:35	Fix styling issues	Frontend
2019-03-01 15:52:48	Activity page relayout	Frontend
2019-03-02 10:52:59	Fix endpoing	Backend
2019-03-03 22:30:55	Custom hook and setup logic for destroying container when the app unmounts. Also start doing the page visibility stuff	Frontend
2019-03-05 14:42:21	Dockerfile config for SeCuRiTty	Backend
2019-03-08 15:39:23	Commit	Frontend
2019-03-08 16:34:47	Fix exercise stalling when exiting exercise	Frontend
2019-03-08 16:50:14	Slight refactor	Backend
2019-03-16 13:19:49	Update name :)	Frontend
2019-03-16 13:53:09	pointer	Frontend
2019-03-16 14:08:08	Add eslint	Frontend

2019-03-16 14:53:57	Eslint config	Frontend
2019-03-17 14:25:38	Add todo	Frontend
2019-03-17 15:36:35	Change name and fix issue with sandbox page	Frontend
2019-03-17 15:51:58	Fix preload for sandbox	Frontend
2019-03-17 22:42:21	Update SC	Frontend
2019-03-17 22:42:51	Fix CSS issues and restructure to something that makes sense	Frontend
2019-03-17 22:49:07	Remove login indication	Frontend
2019-03-17 22:59:59	Fix dumb typo	Backend
2019-03-17 23:00:13	Upgrade packages	Backend
2019-03-17 23:47:12	URL masking and layout issues fix	Frontend
2019-03-20 15:34:16	Add a file browser :)	
2019-03-25 11:33:42	Add fs and code reading	Backend
2019-03-25 11:33:53	Fix permissions which were stopping over writing	Backend
2019-03-25 12:11:19	Implement FS :)	Frontend
2019-03-25 14:19:21	Add tests and codecov	Frontend

2019-03-25 14:21:39	Fix ts error	Frontend
2019-03-25 17:09:15	Fix next loading	Frontend
2019-03-25 17:37:31	Fix prebinding for code editor and upgrade code editor	Frontend
2019-03-28 14:39:59	Initial Commit	Ahab
2019-03-28 14:41:39	Add Readme	Ahab
2019-03-28 14:46:14	Add usefulness discriptor	Ahab
2019-03-28 15:20:03	Get script working properly	Ahab
2019-03-28 15:26:05	Remove stats part from here	Backend
2019-03-28 15:42:05	theoretically closer to a deployable version	Backend
2019-04-02 10:48:18	Fix some bugs	Ahab
2019-04-02 11:05:13	Temp fix for issue with code execution	Frontend
2019-04-02 11:24:39	Comment with todo	Frontend
2019-04-02 11:27:34	Fix undefined filepath	Backend
2019-04-03 21:54:06	Add useless function	Backend
2019-04-03 23:06:35	Fix deleting of function	Backend
2019-04-05	Jest stuff I guess	Frontend

22:17:44		
2019-04-05 22:27:05	<i>shrug</i>	Frontend
2019-04-06 12:52:08	Write tests for all websocket recieve cases	Frontend
2019-04-07 12:25:12	add test	Backend
2019-04-07 21:41:41	Fix bug	Backend
2019-04-07 23:20:42	Fix some issues ivan found	Frontend
2019-04-08 12:05:34	Now test	Frontend
2019-04-08 14:49:26	Get deploy working	Frontend
2019-04-08 14:58:00	Update thing	Frontend
2019-04-08 15:01:20	Update thing	Frontend
2019-04-08 15:08:05	Fix json	Frontend
2019-04-15 12:19:00	Update	Frontend
2019-04-15 12:19:23	Update	Backend