

Overview:

LabWorkz is a software that helps teach and strengthen coding skills. Our product learns your level of understanding in a specific area. As you improve, it increases the difficulty level, pushing you to learn and familiarize yourself with different programs as you pursue the workforce.

Roles:

Teacher and student

User stories:

1. As a teacher, I want to be able to upload my learning plan so that students have various learning options. **(Medium)**
2. As a teacher, I want to be able to have an online class on the website so that I can better understand my students and know who I am teaching. **(Medium)**
3. As a teacher, I want to be able to monitor my classes' progress so that I can see who needs the most help. **(High)**
4. As a teacher, I want to be able to have 1 on 1 teaching with struggling students so that I can better understand what they are struggling with. **(Low)**
5. As a teacher, I want to be able to grade my assignments faster so that I can help my student more. **(Low)**
6. As a student, I want to various teaching options so that I can pick the teaching method that best fits me. **(Medium)**
7. As a student, I want to have an understanding check so that I'm able to see how well I understand the material. **(Medium)**
8. As a student, I want to track my assignment deadlines so that I can manage my time efficiently. **(High)**
9. As a student, I want to be able to get help with any problem I'm stuck on so that I'm able to better understand the material and not fall behind. **(Medium)**
10. As a student, I want to be able to know when an assignment is posted so that I can better plan out my week. **(Low)**

Feature List:

1. 1. Personal Learning Paths
2. 2. Resource Library
3. 3. Progression Track of Users
4. 4. Q&A support channel where users can interact with each other to help with coding issues.
5. 5. Interactive Quizzes to help reiterate what the user has learned
6. 6. Coding Terminal virtual environment
7. 7. Code Snippet Repository

8. 8. Reminder system that outputs notifications on users' Phones/Pc about lessons that need to be done. (can be disabled and enabled).
9. 9. Badge or Level system given when user progresses through their learning path.
10. 10. IDE which will support the different coding languages that will operate through LabWorkz..

