

Sprint Evaluation

At the beginning of this sprint we have worked on the technical aspects of the project and we have searched some theoretical concepts regarding formal languages such as context-free grammars. Firstly, we have implemented regex resolver. Regex resolver is the part that works with the parser. It takes a parsed string from parser and gives appropriate terms to matching engine. In order to obtain appropriate terms, regex resolver uses parse tree, executes regex operations and creates output as a string . After all these, it gives the output to the matching engine. We should have implemented our matching engine and benchmark at the end of this sprint, the reason why we have not done this will be explained in backlog update part. We also have prepared a demonstrative command line tool and we have implemented a user interface to visualize our parse tree by using QT. Lastly, we have searched Unix's lexical analyzer tool Lex and parser generator Yacc to overcome the hardship while implementing regex parser. Since our number one priority is making a right and efficient lexical analysis on given input because of the problems emerged in different cases, we may benefit from lex to gather speed on our project.

Towards the end of the sprint, we have worked on mostly administrative and compulsory works of the project. We have built our website describing our team and project. Having made it provide succinct information about our project, team and documentation; we created nearly all parts of the website with the help of online website building tool called Weebly. Then we started preparing SRS document for the project. We also have focused on project presentation. We have used prezi to prepare the presentation. To get into more detail, six main topic constitutes the slides; namely, team information, general description of our project, our solution to the problem, our progress through this semester, the technologies we used, and further improvements that can be done beyond the main trajectory of the project.

Team evaluation

We made three meetings together with our supervisor and our assistant. We generally used pair programming technique in this sprint. Every Deadliner helped each other and for some difficult tasks, we coded together. We met two times a week. We are not planning to change our strategy for the time being. As a matter of fact, our cooperation was great.

- T1: Website
- T2 : SRS
- T3 : Regex Resolver
- T4 : Matching Engine(demo)
- T5 : Command Line Tool(demo)
- T6: UI for Parse Tree
- T7 : Project Presentation

Task	Assigned Member	1 st week	2 nd week	3 rd week
T1,T2,T3,T6	Fatih Burak BELCE	T3	T6	T1,T2,T7
T2,T3,T4,T5	Mustafa GÜVEN	T3	T4,T5	T2,T7
T2,T4,T5,T6	Oğuzhan DEMİR	T4	T5	T2,T6,T7
T1,T2,T3,T5	Özgür BASKIN	T3	T5	T1,T2,T7

Backlog Updates

-In the start-up document we had stated that we were going to deliver benchmark at the end of the third sprint. However, we decided to implement benchmark after finishing the whole project in the following term.

-We stated that we were going to implement our matching engine. We couldn't complete it. Therefore we are currently using our code with grep integrated.