

Milestone List, Timeline, Effort Matrix
10/2/2020

Milestone List

Milestone	Description	Delivery (wk)
v 0.1	Gather research	2
v 0.2	Develop web extension	3
v 0.3	Develop REST API	6
v 0.4	Develop machine learning model	11
v 0.5	Cleaning up code, refining connections	12
v 1.0	Test final screen reader on most popular websites and prepare for final presentation	13

Timeline

Task No.	Task	Start (wk)	End (wk)	Milestone
1	Research screen reader offerings, prior work in machine learning, infrastructure options, research data needed for ML model, current accessibility standards	1	2	v 0.1
2	Web Extension: start developing web extension, obtain DOM	2	3	v 0.2
3	Web Extension: Send DOM to backend API	2	3	v 0.2
4	Web Extension: Receive analysis from backend	2	3	v 0.2
5	Web Extension: speak analysis	2	3	v 0.2
6	Web Extension: Develop website interaction for user	2	3	v 0.2
7	Develop REST API	2	6	v 0.3
8	ML: Collect and store training/testing/validation data	2	4	v 0.4
9	ML: Develop machine learning model	4	7	v 0.4
10	ML: Refine machine learning model	7	10	v 0.4
11	ML: Create update parameters function for online learning	8	11	v 0.4
12	Cleaning up code, refining connections	11	12	v 0.5
13	Test screen reader using popular websites	12	13	v 1.0

Effort Matrix

