ELC 2137 Lab 01: Git and LaTeX Intro

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Summary

The purpose of the lab was to learn how to set up and operate the version control software GitHub and the typesetting language LaTeX. GitHub is helpful because it keeps track of file modifications and allows for easy collaboration with others. LaTeX is helpful for producing professional-looking documents.

Q&A

1. What is your GitHub user name?

   JustinWoods1

2. What LaTeX environment produces a bulleted list?

   itemize

3. Write the equation `y(t) = 1/2 e\^t` using LaTeX equation formatting.

   $y(t) = 1/2e^t$

4. What is the shortcut key for compiling your LaTeX document?

   F5

Code

```
module example_or(
   input a, b,
   output c
   );

   // c = a OR b
   or(c,a,b);
endmodule
```

Results

Binary	Hex	Decimal
0000	0	0
0010	2	0
1100	4	0
0110	6	6
1000	8	8
1010	A	10

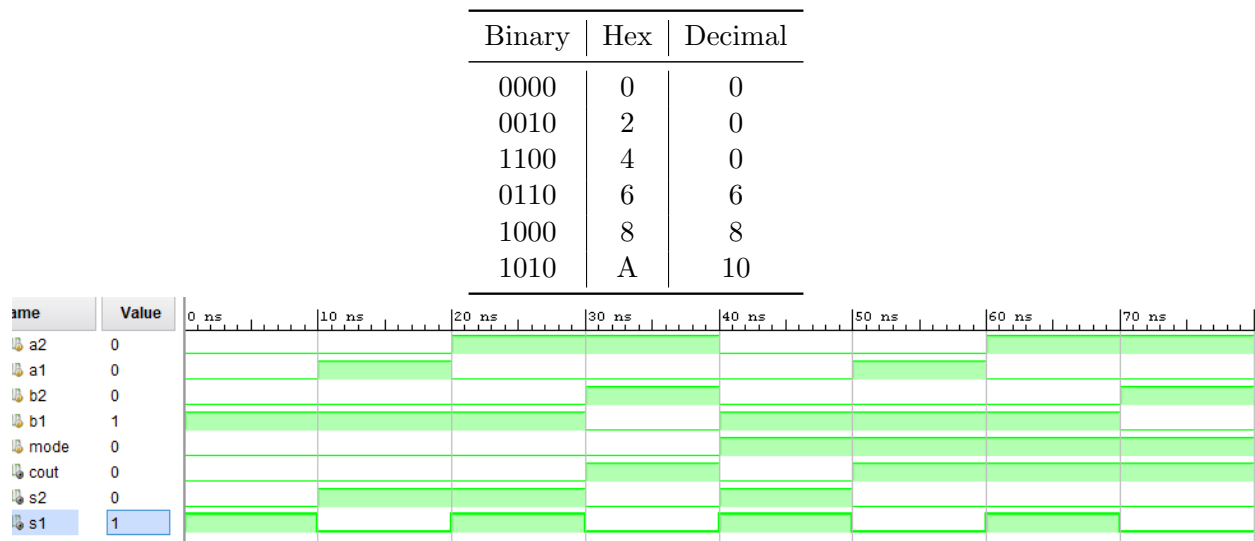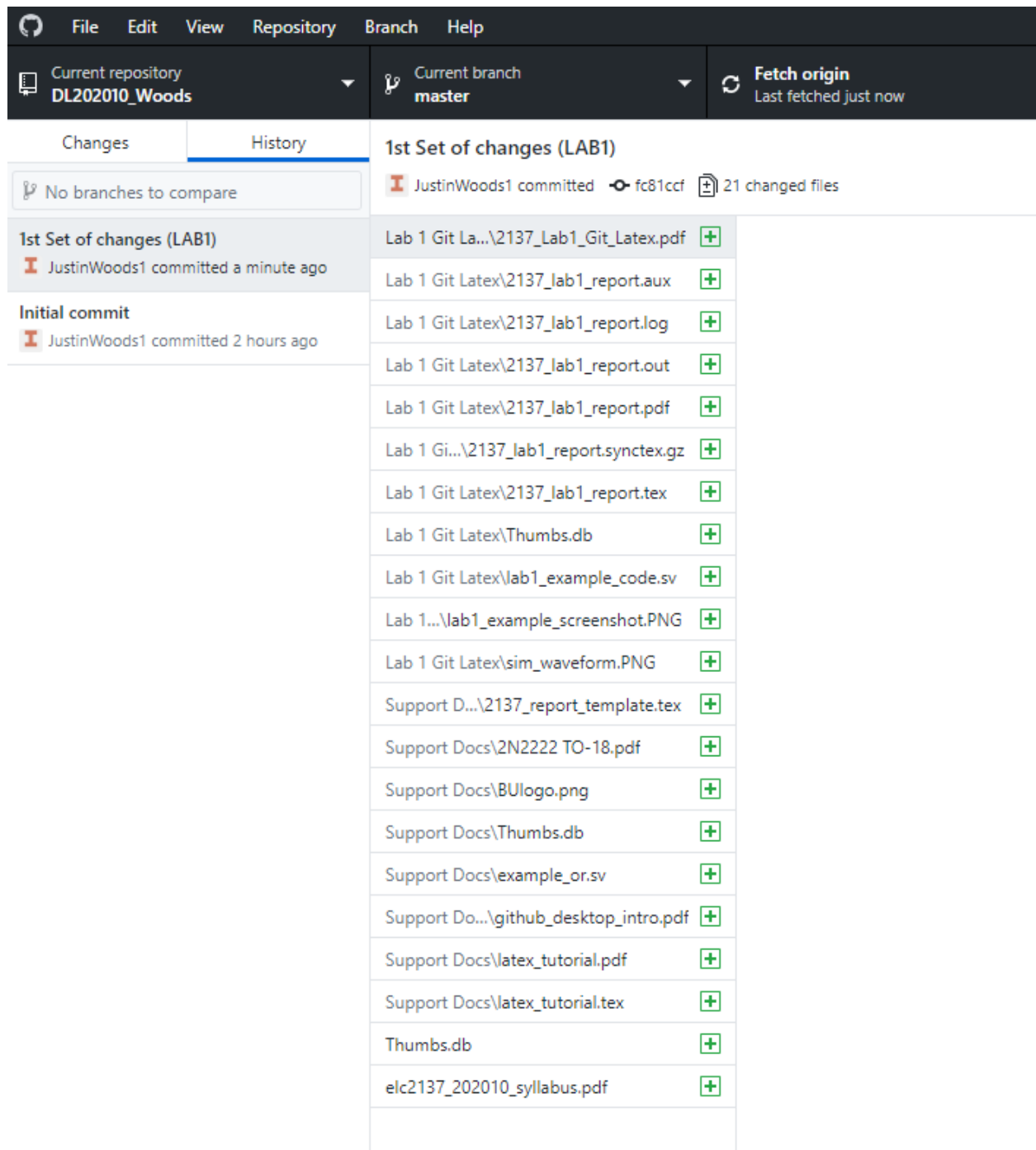| ame	Value
a2	0
a1	0
b2	0
b1	1
mode	0
cout	0
s2	0
s1	1

Figure 1: Table and Simulation waveform to reproduce

Figure 2: Screenshot of GitHub