Lab4

EECS4312: Software Engineering Requirements

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To Do

There are two problems you must attempt in the Lab.

- The hold-for problem – discussed in detail in slides 07-Timed-ASms (see svn)
- The Bridge problem discussed in detail in bridge.pdf.

You must specify and prove three theories as shown in the top.pvs file below:

```
% proveit --importchain --clean top.pvs
top : THEORY
BEGIN
   IMPORTING Time
   IMPORTING test        %hold-for see 07 slides
   IMPORTING alert       %hold-for see 07 slides
   IMPORTING bridge
END top
```

See the top.summary file listing all the specification proofs you must complete.

Submit your work 1

Lab3

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To do

top.pvs

Submit

- Remove all files from your `4312-lab3` directory other than ***.pvs** and ***.prf**. files and `car-interlock.pdf`
- Run the following command in the directory:
- `proveit --importchain --clean top.pvs`
  (see previous slide for summary file)
- All theorems must be proven.

Submit your work 2

- Now submit your `4312-lab4` directory:
  `> submit 4312 lab4 4312-lab4`
- You will get confirmation of your submission.
- Ensure that you follow the instructions (and naming conventions) carefully and precisely to ensure that your submission can be checked.
- To obtain a grade on your quiz, you must complete and submit this Lab according to the instructions.