CS 591K1 Dependently Typed Automated Systems

Kinan Dak Albab

23 January 2019

1 Logistics

1.1 Online resources

The lab codes and notes, as well as other resources, are posted regularly to the CS 591K1 lab repo https://github.com/KinanBab/CS591K1-Labs

Instructions for installing the four systems we will use in the course are available in the README.md file in the repo. For your convenience, we provide a virtual box image with Ubuntu 18 and all the systems, their dependencies, and text editors installed. We recommend using this image to save the time and pain required to get all the systems installed correctly.

The lab schedule, reference material, and additional extra references are located on the course webpage https://sites.google.com/bu.edu/cs591spring2019/tutorials-on-pragmatics

We will use Piazza for announcements, and questions and answers. If you are not on Piazza yet, please email me.

1.2 Lab Instructor Information

Name: Kinan Dak Albab.
Email: babman@bu.edu
Webpage: http://cs-people.bu.edu/babman/
Office Hours: Thursday 2-4 MCS 164 (Hariri) or by appointment.

1.3 Lab and Lab Homework Policy

Labs are held weekly, on Wednesdays, 4:40 pm - 5:30 pm, in Room MCS B08. Labs will emphasis on the pragmatic and use of four dependent type theorem assistant and reasoning systems. Attendance is not mandatory, but you will not be able to make sufficient progress on the Lab homework, or on any pragmatics-oriented project without it, unless you have considerable experience using some of these systems.

The learning curve for these systems is steep. Expect the start of the course (first 3 weeks) and first lab homework to be an extensive bootcamp on the background needed to use these systems effectively, both in terms of practical coding, as well as concepts.

We will have four lab homework throughout the semester, the last of which is due on March 27. Each homework will emphasis on one of our systems, although it may occasionally involve some comparisons between the systems. Homework will be in the style of the labs. You will be given several exercises, and asked to implement relevant modeling or proofs in these systems.