Report 2: Rudy homework report

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1 Introduction

In this project, a simple web server has been implemented.

In this seminar, the main topic covered was the HTTP-protocol and how to parse it using Erlang. Furthermore, the seminar covered how to use the gen-tcp package in order to receive network HTTP-requests and handle the requests by using above mentioned parsing of the HTTP request.

This is important in order to get an understanding of how to use Erlang in order to efficiently parse HTTP-requests (strings) using recursion.

It is also important in order to understand basic Erlang features like recursion, pattern-matching as well as spawning processes in order to distribute an application on multiple threads.

2 Main problems and solutions

Summarize your problems, proposed solutions, etc. You do not need to copy&paste your code. Only if needed, you may write down small code snipeds to show how you have solved a specific problem/question.

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Did you find any specific problem with the development of your solution? How did you solve it?

If you want to give a code example you can do it uing the verbatim environment.

```
this(X) ->
Y = is(X),
a(test(Y)).
```

3 Evaluation

If needed, you may provide figures or tables with main results evaluating your proposals. For each seminar, we will provide you with some guidance

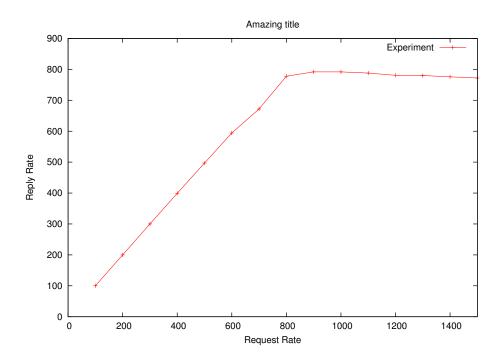


Figure 1: Some random results 1

on which kind of evaluation you should do.

And Figures 1 and ?? shows how to add a figure with some results. These figures have been created with gnuplot. There are tons of different kinds of plots that can be generated with gnuplot. Make sure to check out http://gnuplot.info/demo/ and look at them so you can see what can you do with this program.

To obtain these figures you have to:

- 1. Create the data file from the experiments (look at file experiment.dat)
- 2. Create a gnuplot file to create a figure in eps format (look at files results1.plot and results2.plot). These files may be very complex. But for the results we want to show, these examples are enough. To create the eps figures, execute in terminal:

\$> gnuplot results1.plot

3. As pdflatex does not recognize eps files, you must convert them to pdf files. This is done by (it will generate a file results1.pdf):

\$> epstopdf results1.eps

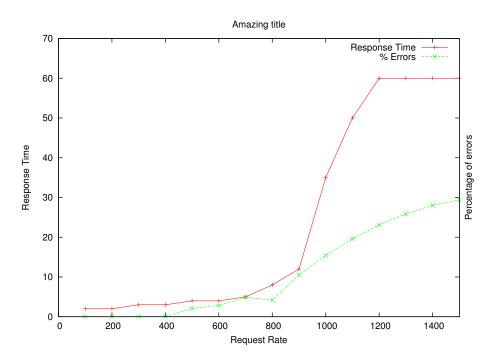


Figure 2: Some random results 2

4. That's it! Just include the figure as shown in this template and compile the latex as explained in the document "Introduction to \LaTeX 2 ε ".

If you want, you can also create a table of results as Table 1. If you look at the template code, you will see how to do a table in LATEX.

First column	Second column	Third column
Case 1	1.1	1.2
Case 2	2.1	2.2
Case 3	3.1	3.2

Table 1: Some random results in a table

4 Conclusions

Change the layout of this template as you want. It's only for your guidance but if you feel that you need a different structure, feel free to change it. The report should not be too long ($\approx 2-3$ pages).

What have you learnt from the problem presented? Was it useful?