

Report for the *proof assistant project*

Fill you name

This is an example for the report in *Markdown* format, which is a text format that can be converted to anything including pdf. I am fine with any other tool to produce the pdf though (Word, LaTeX, etc.). You can see the syntax at <https://pandoc.org/MANUAL.html>.

In order to produce the pdf, you should install **pandoc**, on Ubuntu this can be done with

```
sudo apt install pandoc
```

and then you can compile it to pdf by typing

```
pandoc report.md -o report.pdf
```

or simply

```
make
```

Erase the above and write an introduction. You can write your report in French if this is more convenient for you.

1 What was implemented in the project

Explain. You can write inline code **let** `x` = `4` or cite paragraphs of your code

```
let rec f x =  
  let y = x + x in  
  y * y
```

you have words in *italic* or in **bold**.

1.1 Simple types

...

1.2 Dependent types

...

2 Testing the project

Explain how to build and test the projects, for instance:

You can build the projects and run all the proofs by typing

`make test`

in the `simple` and `dependent` directories.

3 Difficulties encountered

Detail. In particular, feel free to explain what could be improved in the subject for next years.

4 Implementation choices

Detail.

5 Possible extensions

Imagine.

6 Conclusion

Conclude.