



Timetable

October November December January

Planning Prototype Implementation Testing



revised Timetable

October November December January

Planning Prototype Implementation Testing

Communication structure

- course hours
- E-mail
- phone
- meetings

Impediments on development progress

- change of group structure (team merges)
- language barrier (English/ruby on rails)
- different level of experience



Progress

- implementation of the prototype got delayed until December
- problem: getting code to the destination server
- accessibility, layout and navigational decisions
- legal implications (liability, patent violations)

functional specifications (Pflichtenheft)

- quite straightforward from template
- final changes: legal implications, performance issues

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development proper: programming language

- proposition: find an intriguing new programming language



development proper: programming language

- proposition: find an intriguing new programming language
- perl/mason vs ruby on rails



development proper: programming language

- proposition: find an intriguing new programming language
- perl/mason vs ruby on rails
- ruby on rails:
 - on the rise
 - easy to use
 - object oriented
 - mighty generators
 - scaffolding for the database interface during development



Implementation

- as expected, the framework provided an interesting work environment
- fun to play with, powerful functions
- web framework directly embedded (cookies in pseudo-hashes, redirects, ...)



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Statistics

```
aoe@tipitapa:/mnt/old/usr/src/aoe/pasted$ rake stats
(in /mnt/old/usr/src/aoe/pasted)
+-----+-----+-----+-----+-----+-----+
| Name          | Lines | LOC | Classes | Methods | M/C | LOC/M |
+-----+-----+-----+-----+-----+-----+
| Helpers       | 36    | 28  | 0        | 2        | 0    | 12    |
| Controllers   | 283   | 226 | 4        | 22       | 5    | 8     |
| Components    | 0     | 0   | 0        | 0        | 0    | 0     |
| Functional tests | 124   | 89  | 6        | 16       | 2    | 3     |
| Models        | 4     | 4   | 2        | 0        | 0    | 0     |
| Unit tests    | 20    | 14  | 2        | 2        | 1    | 5     |
| Libraries     | 0     | 0   | 0        | 0        | 0    | 0     |
| Integration tests | 0     | 0   | 0        | 0        | 0    | 0     |
+-----+-----+-----+-----+-----+-----+
| Total         | 467   | 361 | 14       | 42       | 3    | 6     |
+-----+-----+-----+-----+-----+-----+
Code LOC: 258   Test LOC: 103   Code to Test Ratio: 1:0,4
aoe@tipitapa:/mnt/old/usr/src/aoe/pasted$ █
```



development model

- easy adaptation to changing requirements
- flexible structure

development model

- easy adaptation to changing requirements
- flexible structure
- agile development

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Links

<http://www.unet.univie.ac.at/~a9803992/>

http://tigerente.htu.tuwien.ac.at/~aoe/studium/la_aoe/lederbauer_projektmanagement.dir/