Accessmail - an accessible E-Mail Client

The team

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23 years
7th Semester BA Computer Science
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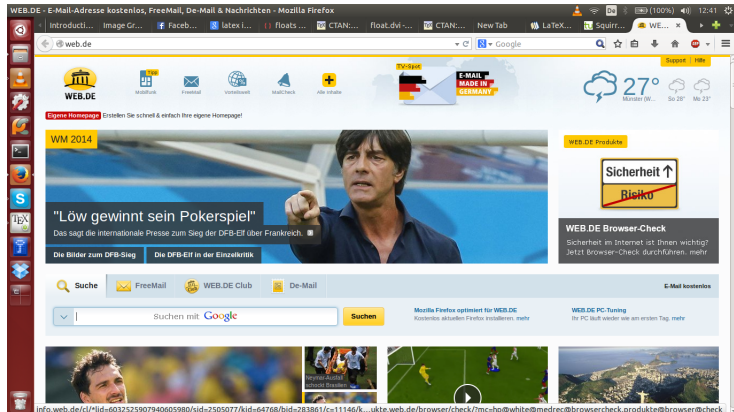22 years
6th Semester BA Computer Science

Introduction

Email as a very important communication platform used for

- Private communication
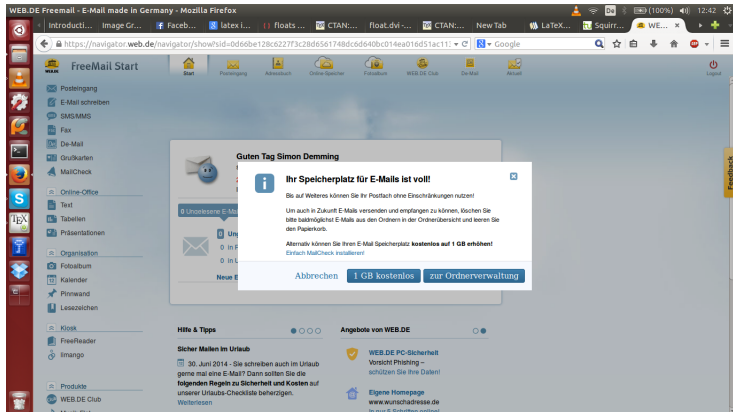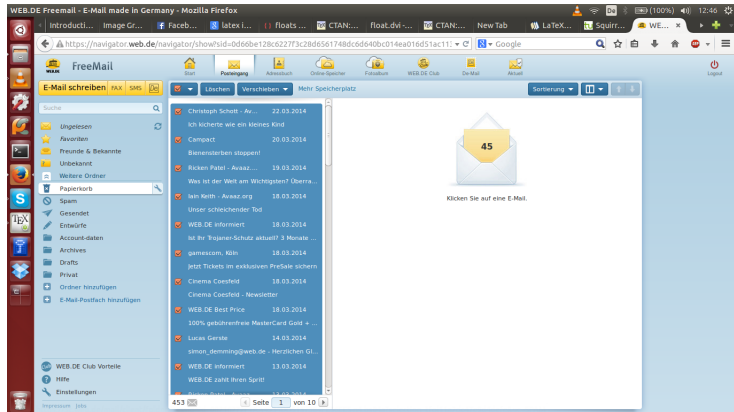- Labour affairs
- Finances
- Entertainment

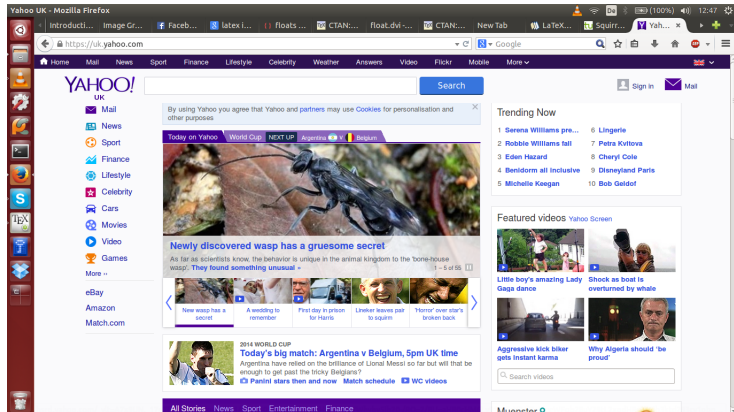## Introduction

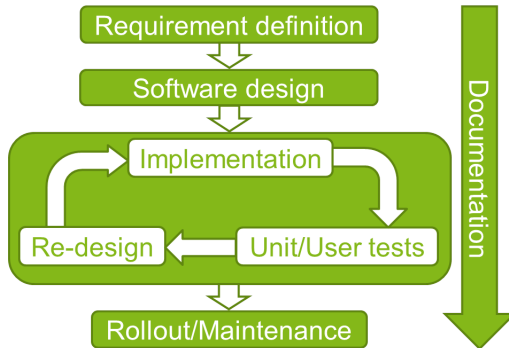# Email is not easy

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Preparations

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- Simple design
  $\rightarrow$ High usability

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- Foreseeable behaviour
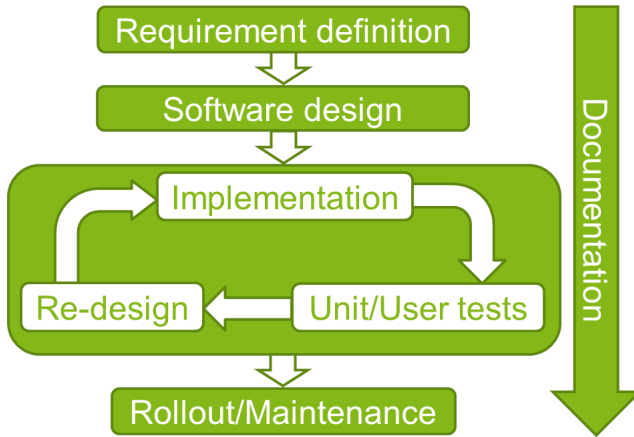 $\rightarrow$ No confusion

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- Foreseeable behaviour
  → No confusion
- Confirmations
  → No accidental deletions

Software Design

The Kivy Framework

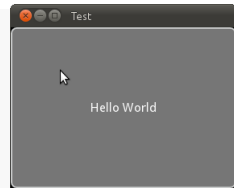- Cross platform
- Business Friendly
- GPU Accelerated

Fig. : http://www.kivy.org/ - 02.July, 2014

Kivy example

```python
from kivy.app import App
from kivy.uix.button import Button

class TestApp(App):
    def build(self):
        return Button(text='Hello World')

TestApp().run()
```

Our Approach: Kivy Framework

Packaging

- PyInstaller - Packaging for Python
- Cross platform
- Challenges: Missing libraries, incomplete wrapping

Preparations

Aims:

- Finding bugs
- Test usability
- Get feedback on design

Material:

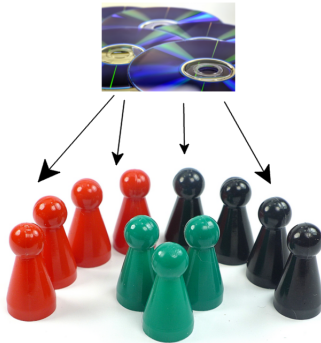- The software packed for Windows
- The hardware
- A testing script

The script

Automatically test the following functions:

- Create an email account
- Add a contact
- Write an email
- etc.

Testing

Testing routines

- User Centered Design
- Extensive testing phase with possible end-users

Results of this routine:

- Quite some bugs
- Page indication needed
- Nicer visualisation
- Interest in E-Mail definitely given

Let us have a look at the software!

The software

- Simple design
- High contrast
- No distractions
- Obvious pictographs
- Foreseeable behaviour
- Confirmations

Future plans

- More appealing design
- Photos to visualize contacts
- More language support
- Additional introduction (in simple language) for E-Mail
- More providers
- Completely keyboard accessible