

3rd year projects – Making the final hurdle

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Time-line

- 12.3. – Today
- 25.3. – Easter Break begins
- 15.4. – Term starts again
- 30.4. – Project Fair
- 03.5. – Submission of the Dissertation

Outline

Writing the dissertation

Poster design

Project Fair

Writing the dissertation

Next step: Dissertation-Outline

An example (in part “stolen” from Daniel):

1. Introduction

Increasing software complexity requires more sophisticated testing methods – Data Protection Act prevents use of “real data” \rightsquigarrow 1st reason for data generation – have “good” test data \rightsquigarrow 2nd reason for data generation – Industrial Partner: Grid Tools – Project aims: generation of data with trends, demonstrated on Credit Card Fraud, integrated in DataMaker.

2. Industrial Relation

Company Grid Tools – Visits and cooperation – Tool DataMaker: What it is for, how it works, what it is programmed in, what its interfaces are –
What we know about Credit Card Fraud detection

3. Testing

Testing in general, with focus on black-box testing – distinction between test case and test configuration – Decision Tables in testing

4. Genetic algorithms

The basic idea – Crossover, mutation, evaluation – . . .

. . .

Meet your supervisor on this
BEFORE
the Easter Break!

Recommendations

Plan for a

- self-contained
- 40% background – 60% own work
- 60 – 80 pages

document.

Start now! – At least with the outline.

Write background in parallel to producing new results.

Natural overlap with previous documents

Dissertation, Initial Document, Interim Document address

- Motivation of the project
- Background studies
- Technology involved
- First prototype
- Etc.

Relation between these documents

Initial Document / Interim Document:

Premature discussion only.

Dissertation:

- Can re-use texts from previous documents **provided they have be re-viewed / altered** in the light of the larger experience gained.
- Should demonstrate **progress** beyond the results already achieved in the earlier documents.

For the rest

See the Project Handbook!

Poster design

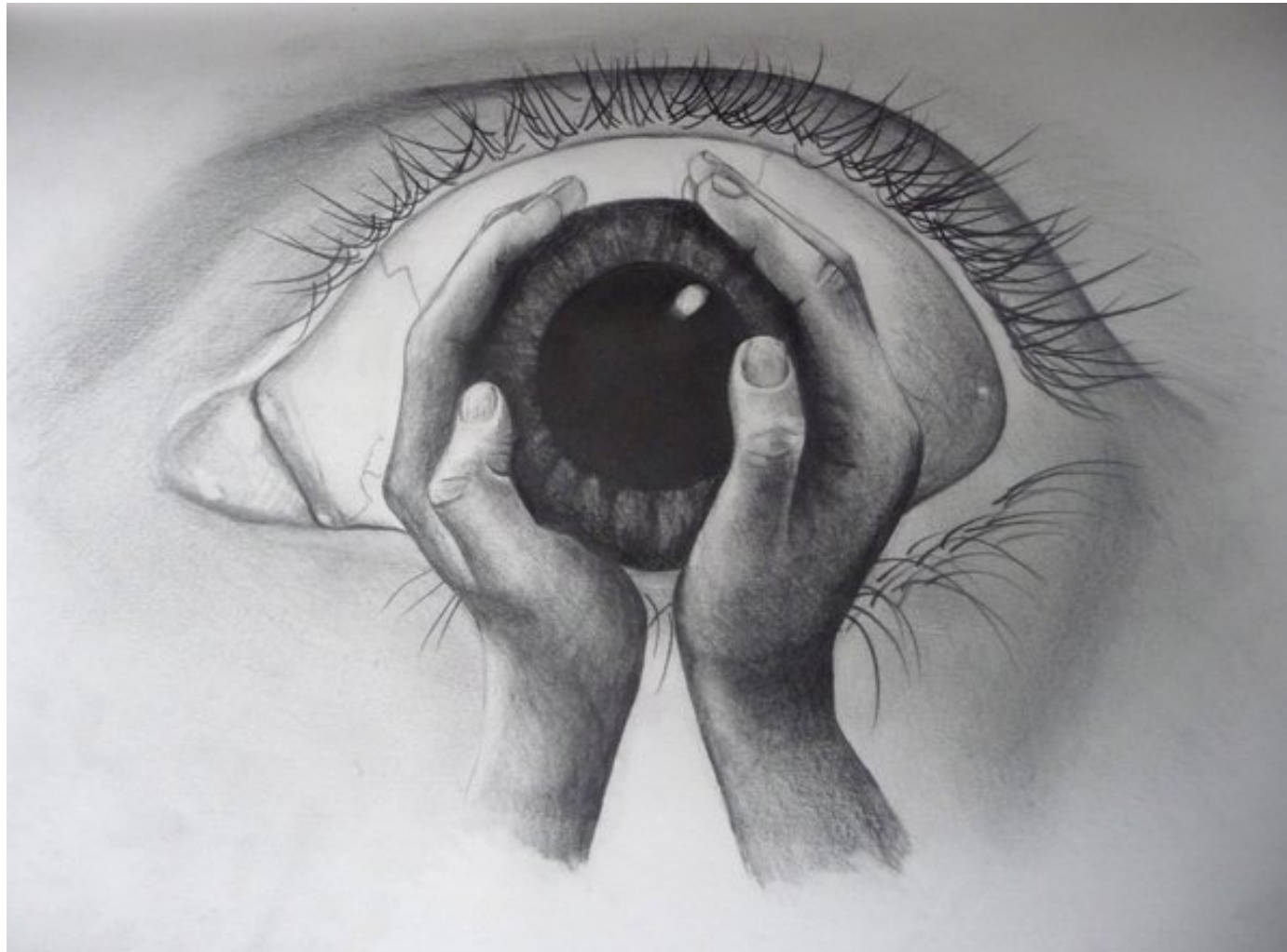
Communication situations

Attract attention – Visible selling point.

Short meeting: 30 sec – Main points available.

Long meeting: 2 mins – Interesting details.

Your eye catcher?



Content counts!

- What is the project about?
(topic, motivation, similar projects, . . .)
- What methods were used?
(programming language, software tools, algorithms, theories, . . .)
- How was the problem solved?
(software architecture, own algorithms, code examples, . . .)
- What are the results?
(is the world a better place after this project?)

Space

you have 2×1 m

A4: ~ 210 mm 297 mm

A3: ~ 297 mm 420 mm

what 'tiling' do you want?

How to organize things on the poster(s)?

‘poster as slide sequence’:

~> prepare a talk and put up your slides

‘poster as one unit’:

~> develop one ‘big’ picture on your project

e.g.: star form

(middle: final product, surrounded by ‘aspects’)

Mind Mapping Video

can be found at

<http://www.youtube.com/watch?v=M1abrWv25qQ>

Layout: The usual design rules apply

- Large font
- Clear colour scheme / font selection scheme
- Keywords – not novels
- Easy to understand layout
- Have pictures
- No deviating information ('grandmother's shoe size')

Computer demonstrations

Software projects
need to demonstrate a
'running system'.

Explanation of your demo:

- What is it demonstrating?
- Why these specific values?
- What will the effect be?

Things to pep up your stand

- Business cards?
- Flyers about your project?
- Mascot?
- Sweets?
- . . .

Project Fair

Poster submission

by 29.4. to blackboard.

Poster printing

- Various copy-shops (e.g., Staples)
- Offers on the internet (e.g. www.a1posters.co.uk)

Three prizes from the department

Best poster prizes based on the vote from

1. School kids – 20 GBP
2. Academic staff – 200 GBP
3. Industry – 200 GBP

Tentative Time-line

- 10:00-12:00 Set-up of Posters (compulsory)
- 13:30-14:30 Demonstrations to School Students.
- 16:00-17:30 Demonstrations to Swansea University (compulsory).
- 18:00-19:30 Demonstrations to IT Industry (compulsory).

<http://cs.swan.ac.uk/~csbob/teaching/projectFair/>

On request of IT Wales

Please come

- well dressed (smart casual?)
- well shaved
- with styled hair
- wearing nice perfume
- . . .

Job market for BSc students

1. Have a CV ready [“CV clinic” by Liz from IT Wales]
2. Advertise at the info board
3. Be around for networking

4. Have a handout for your project?
5. Have business cards?

MEng Students – IR project market

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Good luck with your projects!