

3rd year projects – Making the final hurdle

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Time-line

04.3. – Today

04.4. – Easter Break begins

02.5. – Term starts again

12.5. – Project Fair

18.5. – Submission of the Dissertation

Outline

Writing the dissertation

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:

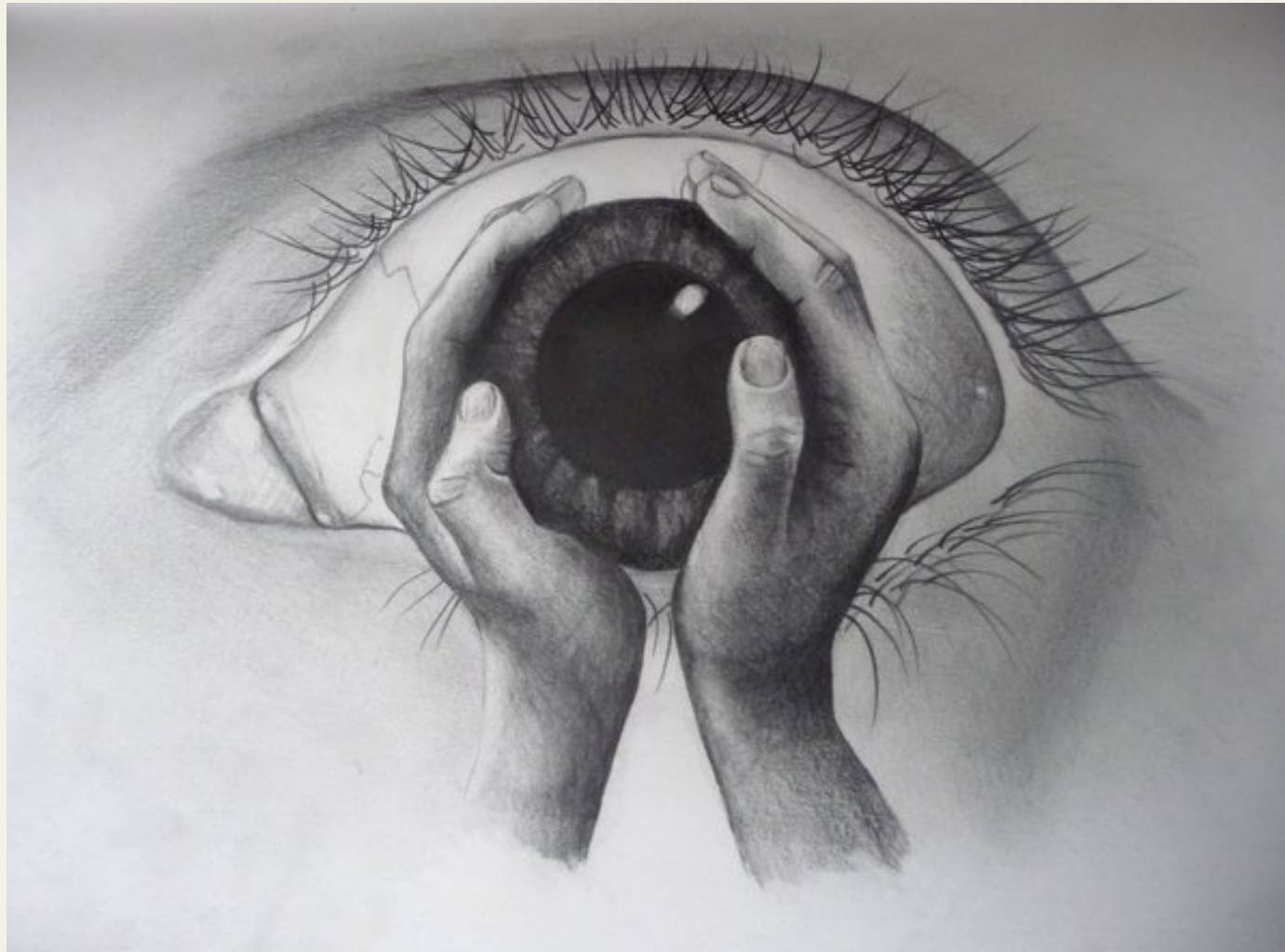
- Can re-use texts from previous documents **provided they have be re-viewed / altered** in the light of the larger experience gained.
- Should demonstrate **progress** beyond the results already achieved in the earlier documents.

For the rest

See the Project Handbook!

Project Fair

Find your eye catching picture now



Prepare poster design over the Easter Break

- What is the project about?
- What methods were used?
- How was the problem solved?
- What are the results?

Poster printing

Term starts: Monday, 2.5.

Free printing with IT Wales – A3 format

Available dates:

Monday, 9.5. & Tuesday, 10.5.

Finances for the Fair

- 50% TechnoCamps (EU project)
- 50% Software Alliance Wales (EU project)

Consequently

- In the morning: Show for school kids
- In the evening: Show for industry

And in the middle

- Show for the department / college of science

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 – Wednesday afternoon

Wednesday, 11.5.

	Dining Room A:	Dining Room B:
15.00		set up poster check the computers
17.00		End

Tentative Time-line – Thursday morning

Thursday, 12.5.

	Dining Room A:	Dining Room B:
10.00	Schools arrive	
10.15	Welcome (FGM)	
10.20	Game programming with the Wii (Liam/Phil)	
10.30		Students arrive
11.00		Project Fair for School Kids
12.15	Lunch for Schools & Students	

Tentative Time-line – Thursday afternoon

Thursday, 12.5.

	Dining Room A:	Dining Room B:
15.30		Students arrive
16.00		Fair for the departmental public (1st, 2nd year, most of the marking)
17.30	Welcome of Industry (Beti)	
18.00		Fair for Industry + departmental public (Msc, postgrads, part of the marking)
19.30	Networking Prizes	
20.00	End of the Fair	

Compulsory

- Wednesday afternoon – setup (30 min)
- Thursday afternoon: 15.30 – 20.00

20 – 30 Volunteers needed

for the Thursday morning

Work: Exhibition for the school kids

Bribe: Free lunch

6 students have already been signed up :-)

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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2. Advertise at the info board
3. Be around for networking
4. Have a handout for your project?
5. Have business cards?

Good luck with your projects!