Graphical Enigma Simulator
Majed Monem
Supervisor   **Prof. John Arnott**

Minutes of meetings

Date	Time
05/09/2014	11:30

Which programming language to use?
Brief Discussion
Introduction to project
Good Initial Discussion with Prof. Arnott
Good idea to choose Graphics module!

08/10/2014	11:30

C++ will be used
Background reading
One rotor to start with - like a prototype#
Maybe 3 if time
Cryptomuseum.com
Look for Enigma simlators online
Graphical representation, 3D?
Maybe attack maethod to guess cipher text
Requirements

15/10/2014	11:30

The system shall unscramble cipher text to plain text
Attach method - encrypted plain text
Decryption requirements
Reference book titles
Intro and background of final report
Refine requirements
Gantt chart
Minutes of meetings!
Prototype sketches
Specification and design

22/10/2014	11:30

The Hut 6 book - good bg info
Send github link
Specification requirements
Prototypes

28/10/2014	13:00

Spelling error in report!
Encrypt rotor types
Move on current letter being deciphered
26x26x26 - find out information
1 use case document
Start ethics!

04/11/2014	13:00

Reviewed ethics with Prof. Arnott

Specs	All Enigma capital E!
	Change app/program to simulator!
	Can also decrypt during testing
	Demographic questionnaire - who?
	Change group to I
	Staff member
	70 -> 60
	must -> should
	Give feedback to participants
	Look at #7
	Infosheet diag tool -> simulator
	John's email
	project -> simulator
	product -> simulator(SUS)
	Align - agree/disagree
	Another draft for next week
	Just before War polish broke enigma code
	Reviewed Specification requirements
	Try finish use cases

| 11/11/2014 | 13:00 |

Review 2nd draft of ethics
Comparing? No times - feedback
Should know which outcomes of evaluation questionnaire is
No '@' symbol on John's email - fix
Submit ethics
2 questionnaires not 1
Use case change player to user (exit)
Change all of exit to match simulator!
Start UI?
Continue BG on report

| 18/11/2014 | 13:00 |

Letters to light up?
Plugboard?
Start Developer - UI

| 25/11/2014 | 13:00 |

Ethics Approved!

| 03/12/2014 | 12:00 |

Do some work over holidays!
Will get emailed about next meeting

| 20/01/2015 | 12:00 |

Put 2:1 for mid-term report
Tooltips? When user hover overs parts?
Add plugboard at end?

| 27/01/2015 | 13:00 |

Showed progress of work done
Change viewpoint?
Get wires working!

03/02/2015	12:00

Wires completed!
Wires to glow -yes!
Currenet path
Add reflector
Both, button and live action?

10/02/2015	12:00

Stick to one rotor - finish one rotor!
Have block for reflector?
As long as you can see current going in to reflector
Decryption! Then reflector maybe?

20/02/2015	16:00

Decrypt working!
Need only to show current passing back to decrypted letter
Different reflector and key rotor
Green and red wires
Need to start testing soon
Bring laptop to show
show what the current key is?

25/02/2015	13:00

Shown work done
Labels on components maybe
Help and info section explained that this is with one rotor
Testing - does this work? (angle as well of camera)
So does A cipher to X?
Reflector wire!

03/03/2015	12:00

Don't need to fix decrypt
If A 26 time, should come back, should come back not as A!
Bug report
Improve UI
Write test strategy
10 people for evaluation

10/03/2015	12:00

Cross over wire in reflector
Make reflector stuff rotate
Explain process - why green and red
Tweak interface and components
Test plan - include in appendix

17/03/2015	12:00

Testing complex
Start Evaluation
Work on report

25/03/2015	13:00

Evaluation done

Write about 3 rotor in future work
Add appendices

31/03/2015	12:00

Done Evaluation summary

29/04/2015	11:45

Project about develop educational tools
Illustrate Enigma
Make very clear how letter working
Reflector
what I learnt.