

COMP1650 (2017/18)	User Interface Design	CRN 17524	Contribution 100% of course
Course Leader Dr Fotios Spyridonis	Release Date TBA	Interim Submission Due 09/11/2017	Deadline Date 07/12/2017
<p>This coursework should take an average student who is up-to-date with tutorial work approximately 50 hours</p> <p>Feedback and grades are normally made available within 15 working days of the coursework deadline</p>			
<p>Learning Outcomes:</p> <p>By the end of this course students will be able to:</p> <ul style="list-style-type: none"> A. understand the issues involved in developing and evaluating interfaces to interactive applications; B. demonstrate an awareness of human-computer interface standards and guidelines; C. apply the principles, concepts and models of user-centred design methods to the development and evaluation of interactive system interfaces; D. apply the concepts of colour theory, font terminology, layout and graphic design elements in terms of visual user interface design. <p>Ethical, Legal, Social & Professional Issues. The student will: understand and apply the ethical and social implications of accessibility policies and legal standards plus the professional standards and codes of conduct; appreciate the impact of user interfaces on the individual and society.</p> <p>Personal and Employability Skills. The student will: develop high level cognitive skills with respect to relating theoretical concepts to practical implementations; develop high-level key personal capabilities in problem solving and decision making, in communication skills, in working with others, and working to deadlines; present work in a variety of ways including a report and a demonstration.</p>			

Plagiarism is presenting somebody else's work as your own. It includes: copying information directly from the Web or books without referencing the material; submitting joint coursework as an individual effort; copying another student's coursework; stealing coursework from another student and submitting it as your own work. Suspected plagiarism will be investigated and if found to have occurred will be dealt with according to the procedures set down by the University. Please see your student handbook for further details of what is / isn't plagiarism.

All material copied or amended from any source (e.g. internet, books) must be referenced correctly according to the reference style you are using.

Your work will be submitted for electronic plagiarism checking. Any attempt to bypass our plagiarism detection systems will be treated as a severe Assessment Offence.

Coursework Submission Requirements

- For this coursework, there is an **interim submission** of a Word document due on **Thursday 09/11/2017 by 23:55** using the link on the Moodle page for COMP1650. This interim submission is optional, but will enable you to get feedback, which should help you to get a better grade.
- An electronic copy of your **final work** for this coursework must be fully uploaded by midnight on the Deadline Date of **Thursday 07/12/2017 by 23:55** using the link on the Moodle page for COMP1650.
- For this final coursework, you must submit a single Acrobat PDF document. In general, any text in the document must not be an image (i.e. must not be scanned) and would normally be generated from other documents (e.g. MS Office using "Save As... PDF"). More details are on the IT Support pages. An exception to this is hand written mathematical notation, but when scanning do ensure the file size is not excessive.
- For this final coursework, you must also upload a **single ZIP file** containing supporting evidence i.e. your low-level prototype.
- There are limits on the file size (current values are on Moodle).
- Make sure that any files you upload are virus-free and not protected by a password or corrupted otherwise they will be treated as null submissions.
- Your work will be marked online and comments on your work and a provisional grade will be available from Moodle. A news item will be posted when the comments are available, and also when the grade is available in BannerWeb.
- You must NOT submit a paper copy of this coursework, or include the Banner header sheet.
- All courseworks must be submitted as above. Under no circumstances can they be accepted by academic staff.

The University website has details of the current Coursework Regulations, including details of penalties for late submission, procedures for Extenuating Circumstances, and penalties for Assessment Offences. See <http://www2.gre.ac.uk/current-students/regs>

Detailed Specification – This is an individual piece of work

For this coursework, you are to design a User Interface that would demonstrate understanding and application of all considerations discussed throughout the User Interface Design lectures and tutorials.

You have been approached by a big investor who would like you to design an application for a **personal activity monitoring** system that would help people lead a healthier lifestyle e.g. track weight, track exercise, etc. Users of any age and abilities should be considered when designing this application. Users should be able to access their dashboard both from a desktop and a mobile platform. Your task is to design a low-level prototype(s) of the above application's user interface. All of the above must be considered in the user interface, but they do not need to be included in one screen. Make sure it is clear in your designs how the user navigates between the various screens.

Sketch/design **at least two** alternative interface designs for your chosen scenario and justify which alternative you prefer based on an appropriate evaluation. **Please note that it is the application of the User Interface Design theory that is most important.** The final prototype should provide a vehicle to conceptualise and envision the proposed software with the aim of providing 'proof of concept'.

Deliverables

- **An Interim Upload:** We will provide feedback on your work to date and thus enable you to achieve your potential for this coursework. It does not carry any marks, as it is a formative feedback piece of work.
- **A Final Deliverable:** This will be **your final report** that should be around 4,000 words, it should be presented in a *logical structure*, it should be underpinned by academic references, and it should provide evidence that you have undertaken:
 - A critical discussion of the current issues in user interface design, as well as a review of current guidelines and standards, including consideration of legal, social and ethical issues, and how those will be incorporated into the development of your low-level prototype. Those should be supported by academic references in the Harvard style. Marks will be deducted if referencing is not used appropriately. (20%)
 - A justified identification of at least two appropriate user personas and two scenarios relevant to the development of your low-level prototype; (10%)
 - A critical selection and application of the concepts of colour theory, font terminology, layout and the graphic design elements in the visual interface design of your low-level prototype; (15%)
 - Justification and usage of relevant evaluation techniques; (15%)
 - A conclusion drawing together the key facts that would provide evidence of 'proof of concept' to relevant parties; (10%)
- **A zip file with your low-fidelity prototype(s).** Clear linkage between the points discussed in the report and the prototype should be demonstrated, which will provide evidence of effective User Interface Design. (30%)

Grading Criteria: Marks are awarded as a rounded percentage of the mark for each deliverable:

0-29	F	Failure to demonstrate any significant understanding or knowledge of the subject;
30-39	E	Demonstrates some basic knowledge, shows some understanding;
40-49	D	Adequate knowledge/understanding of the fundamentals;
50-59	C	Good knowledge/understanding of the subject matter;

60-69	B	Very good knowledge/understanding of the subject. Shows some ability for synthesis of material;
70-100	A	Excellent knowledge of the subject. Demonstrates clear understanding and synthesis of material.

Assessment Criteria

For marks breakdown, please see Written Deliverables section above.