

COMM013: Agile Web Development

2011 Coursework Description:

Task 1:

You should complete the “Ruby on Rails Tutorial” that we are using in the module sessions up to and including Chapter 10. Once you have completed this part of the tutorial, please deploy it into Heroku and e-mail me the link to it.

Please complete Task 1 by 23:59 on Friday 16th December. Although this is not a formal deadline, you are strongly advised to try hard to meet this in order to give yourself enough time to complete Task 2.

[20 marks]

Task 2:

In this main part of the coursework you will complete a simple web application from scratch. There will be three different web projects to develop, and these will be divided up across all those registered on the course so you are not all developing from the same specification.

The full specifications for these web projects will be available next week as you need to be focussing on Task 1 at the moment. The following are short outlines:

1. Friends of Box Hill. This volunteer group has a simple static page at the moment (<http://www.friendsofboxhill.org.uk/>). They would like this extended and made more dynamic. Specific functionality to add includes a form for people to submit news items and photographs, and support for storing and accessing documents in pdf format.
2. An expanded website for the Surrey Biodiversity Information Centre (<http://www.surreywildlifetrust.org/sbic>). This will include more static content than is currently provided. In addition, it should include a facility for people to submit species records on line.
3. Green House Gas emissions for agriculture. This will include some static content on the general issues of green house gas emissions (GHGe). In addition, it will provide access to a model of GHGe, which will take specific data that is input by a farmer and provide an assessment of the total GHGe of their farm. It will also provide some advice on GHG reduction.

You will be provided with the static content (text and images). More detail on the dynamic functionality will also be provided.

Marks will be awarded as follows:

- Static structure, and effective use of Rails in core architecture. [20 marks]
- Usage of RSpec for Behaviour Driven Development. [10 marks]
- Good visual design using CSS. [20 marks]

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- Implementation of specified functionality. [20 marks]
- Effective use of Rails design principles. [10 marks]

Please be aware that as this is assessed work, you must submit your own original work. The completed coursework must be submitted into ULearn by 16:00 on 9th January 2012. Please submit a zip folder containing the Ruby project, and deploy it into Heroku.