Lab Assignment 1
T-213-VEFF, Vefforritun

Text to HTML

In this exercise your task is to change a text file to HTML. The text file is part of the zip archive and is named Bicycles.txt. What you should consider are the following points:

- Add the tags <html>, <head> and <body> properly, you should also ensure the page has a title.

- All headings should be properly defined. Ensure that there is a single <h1> with the main title of the page, and then ensure that all <h2> headings are on the same "level" (i.e. if this would be a book, they should be the names of the chapters).

- Text should be enclosed in <p> tags. Ensure that each paragraph has its own <p>, and that each <p> is properly closed with a matching </p>.

- It is common to create almost-bold text in regular text files by placing the * symbol on both sides of a word (*this* could be considered bold!). If you find such markings in the text, you should replace it with the proper HTML tag.

- If there are any special characters in the le (i.e. such as <, >and &), they should be replaced with proper HTML entities. Also, Icelandic characters should be replaced (the letter á should become á etc.).

- All lists should be properly coded. Ensure you are using the correct list type, so check out all possibilities (<ul>, <ol> and <dl>).

- Links should be clickable.

- If there is any tabular data, you should create a HTML table for it. Ensure that you define everything necessary for it (i.e. header, footer, table body etc.)

Finally, the page should we well formed, should be readable for those that read the HTML code, and use proper indentation.

Make sure that the correct DOCTYPE is present at the top of the document.
HTML 5 should be enough.

NOTE: do not forget to implement the requirements mentioned at the end of this document.

Forms

In this exercise you should create a form for students in RU, where they should be able to enter information about themselves.
The form should be in three parts (you should use the <fieldset> tag to separate each part):

- The first part - "Personal" - should allow the user to register name, SSN, email and a password.

- The second part - "Details" - should allow the user to enter their gender (entered through radio buttons), if the student is a smoker (use a check-box), and in which department in RU he/she is studying (use a <select>for that).

- The third part - "About me" - should allow the user to enter a detailed description about himself (use a multi-line textbox, i.e. a <textarea> for that). Ensure that the area is large enough (use your own judgment on what size is enough).

Make sure the correct DOCTYPE is present at the top of the document.

NOTE: do not forget to implement the additional requirements here bellow.

Other requirements

In order to get a full grade for the assignment, e.i, both the "Text to HTML" and "Form" parts, you will need to implement the following requirements.

- <html>, <head>, <title>, and <body> are mandatory
- all tags must be properly nested
- all tags are in lowercase (<h1> instead of <H1>)
- all tags are properly closed, and empty elements have a trailing slash
- (, and)
- all attribute values are properly quoted (instead of)
- all attribute names must be in lower case

Results

Hand in your results as two separate files: Book.html and Form.html.

We recommend that students hand in at the end of the class. If not, make sure you return your assignment before the deadline specified in myschool.

The grades will be very simple: 10 for a proper solution, 8 if only minor mistakes, 6, 4, 2 and 0 if more mistakes.