

### Exercise #1

1. In a new file named `menus.dtd`, define a DTD for Labwork #1's `menus.xml` document. Attribute `day` of element `menu` can only have the following values: Monday, Tuesday, Wednesday, Thursday and Friday. It has no default value. Recall that a main course may either be a unique course or meat + vegetables.
2. Use the Validome DTD Validator (<http://www.validome.org/grammar/validate/>) to check whether your DTD is correct. You may either directly upload your DTD file or cut and paste your DTD text.
3. Incorporate a reference to DTD `menus.dtd` in the prolog of document `menus.xml`. Use the Validome XML Validator (<http://www.validome.org/xml/>) to check whether your XML document is valid w.r.t. your DTD. Here, you *must* upload both files `menus.dtd` and `menus.xml` onto a webspace. Connect by FTP to `diserv.univ-lyon2.fr` with the login and password provided by your professor. Create a new directory into the existing `public_html` directory and upload both files in it. The URI of your document is of the form <http://diserv.univ-lyon2.fr/xml/your-directory/menus.xml>.
4. Add into `menus.xml` a `<starters />` element in Monday's menu. Upload file `menus.xml` into the `public_html` directory of your DIS account again and check whether it is valid. Conclusion?

### Exercise #2

1. Download the `nutrition.xml` document from <http://eric.univ-lyon2.fr/~jdarmont/docs/nutrition.xml>.
2. Define a DTD named `nutrition.dtd` for `nutrition.xml`. Unit attributes in the `daily-values` element should have a default value.
3. Check whether your DTD is correct and `nutrition.xml` is valid against it with the Validome validators.

### Exercise #3

1. Define DTDs for Labwork #1's `publications.xml` and `inventory.xml` documents.
2. Check whether your DTDs are correct and your XML documents are valid against them with the Validome validators.