

Chapter 2

Describing Web Resources: RDF

2.1 Introduction

The success of the WWW has shown the power of having standard mechanisms to exchange and communicate information. HTML is the standard language in which web pages are written. It allows anyone to publish a document and have confidence that this document will be rendered correctly by any web browser.

There are three components that HTML and any exchange language has: a syntax, a data model, and a semantics. A syntax tells us how to write data down. A data model tells us the structure or organization of the data. A semantics tells us how to interpret that data. We can illustrate each of these components with a snippet of HTML:

```
<html>
  <head>
    <title>Apartments for Rent</title>
  </head>
```