1. PUT requests must result in the same state regardless of how many times it is sent, a POST request may result in a different state after each identical request.
2. Absolute
3. Absolute paths specify the entire path from the root, relative paths specify a path relative to the resource using it (e.g. using things like '..' to denote a level up).
4. POST
5. request\_type=PUT
6. lang and hreflang attributes
7. The database stores information used in dynamic content generation in web pages.

The browser renders the web page and acts as the client application for interacting with the server.

1. Yes, because that is the response sent when a web page is requested.
2. [see midterm/troll.rb]
3. A method called fight
4. Yes, it is inherited from Object
5. Boolean
6. Without the bang a new object is created and returned with any changes made to the new object, with the bang changes are made to the calling object.
7. Ruby use duck-typing, meaning any object with the proper methods and attributes defined can be used in place of another object with those methods and attributes (e.g. a vector class with attributes x and y could be used in place of a point class with attributes x and y)
8. Array
9. Yes
10. No, Ruby will implicitly return the value of the last evaluated expression
11. create, save, update, update\_attributes

|  |  |  |
| --- | --- | --- |
| HTTP method | Controller action | CRUD operation |
| GET | index | read |
| POST | new | create |
| POST | create | create |
| PUT | edit | update |
| PUT | update | update |
| DELETE | delete | delete |

1. GET and POST requests are much more common, and can be used to emulate PUT and DELETE
2. It depends on what is defined in config/environments/production.rb and config/environments/development.rb, in general production uses various settings to increase security and performance, and development uses settins to make it easier to develop and debug the application.
3. A singular name is used when only one of that type of object will exist at any time.
4. Helper methods should be used for any intensive processing when generating a page.
5. A join table for bees and flowers
6. Querying for each item should be avoided as it may bog down the server, but for small amounts of queries (or users) it may be fine.