Proposal

1. Language choice

Eiffel

1. Brief statement on the strengths of the language: what application domain was it intended for, what programming paradigms does it primarily support?

Powerful “design-by-contract” principle and support for multiple inheritance, intended for enterprise applications, Object-Oriented

1. Description of your project: What program are you going to write? What are its primary features, what do you want it to do?
2. Language fit: Why is your language a good choice for this particular project

We make use of multiple inheritance (Omnivore inherits Carnivore & Herbivore, etc.)

Eiffel also has a built-in Client/Server library.

1. Resources: what do you need for a development environment and how can you get that environment?

Eiffel studio, free download, run pre-compile on Eiffel libraries.

Project

Server

* 1 Tick per second
* Events queued and applied each tick
* Move events have highest priority.
* Rooms have “entrances” and a center
  + When you enter a room, you arrive at the corresponding entrance

On the next tick you are placed in the center.