

Rules for project development

Project assignment

A project can be assigned to one or two students. To request a project, select one among those still available listed on the course website and send an Email to Giorgio Buttazzo specifying the following information:

- Full name(s);
- Student ID number(s);
- Course you belong to (e.g., ECS, IRA, CNS, PhD);
- Email address(es);
- A list of 3 or 4 Project titles (listed by decreasing priority, among those available).

If there are no conflicts with other similar requests, you will be assigned the highest priority project available in the provided list. After receiving a confirmation Email you can start working on it.

Project tools

The project must be developed in C language under the Linux operating system, using the gcc compiler, the pthread library for tasks management, and the Allegro library for graphics.

IMPORTANT NOTE: the source code must be written according to the style rules given in the course and will not be accepted if does not comply with such rules.

Project discussion

Preliminary working programs must be discussed in person at least three weeks before the exam. Programs have to be executed on your own laptop. After the discussion, possible changes or additions may be requested to complete the project. Please send an Email to the professor to set an appointment for the first discussion. The final discussion has to be agreed with the professor before the exam.

Project report

A report must be produced (8-10 pages) to explain the project details. In particular, the title page must contain the name of the course under which the project has been done, the project title, an optional picture related to the project, the delivery date, and the author(s) name(s) with contact information (student ID number and Email).

The report must include a general description of the project, the physical model used, the design choices, the user interface, the shared data structures, the tasks involved, a task-resource diagram, a discussion on the task parameters (how they were defined), and a set of experimental results that show the behavior of the system as a function of specific variables. Figures and screen shots are welcome. The project code must not be included in the report, but in a separate folder.

Project delivery

The final project must be delivered via Email before the exam, after the final discussion. It must be sent as a single compressed (.zip o .rar) file containing the report in pdf and a folder with the source code. Please name the compressed file and the internal folder with your last name followed with a short project name (for example: Rossi_birds.zip or Rossi-Bianchi_birds.rar).