II Projects

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# Requirements

* For the projects’ completion, 4-5 member teams will be created.
* The members have different roles: project manager, developers (2), tester, and database responsible.
* The roles are rotated at every 2 weeks.
* Also, for the first 2 weeks, the project manager has to consider a file sharing management systems, in order to make the resources available for all team members and a discussion group establishment.
* For each 2 week interval, the project manager will detail the task for its team based on team meetings and discussions, and will decide the next rotation.
* Each team will chose its application, following the requirements detailed next.

The projects have a three a layer architecture:

* Front-end: the graphical user interface (GUI)
* Middleware: the input/output processing component
* Back-end: the database.

**Front-end:**

* at least five different screen configurations,
* user/login authentication screen,
* input fields for search keywords ,
* results display fields,
* image display for result’s selection,
* calendars,
* GUI details according to the application’s specificity
* etc.

**Middleware**

* processing the inputs,
* creating queries,
* processing the results of the queries,
* displaying the results
* etc.

**Back-end**

Database with at least 5 tables.