1. Developed a faculty portal for an academic university. For this project, we were expected to develop code for both the front-end UI and the back-end of the system.

2. Faculty in an academic university are divided into two categories:
   (a) Faculty
   (b) cross-cutting faculty (e.g., Deans and Associate Deans etc.)

3. People in each of these categories are formed into a hierarchy with the Director at the top most level. And as expected, people participating in this hierarchy (at various roles) change with time.

4. We developed a portal for storing faculty's academic profile. In this portal, a faculty would like to storing details on his/her background, publications, grants, awards, teaching, etc.

5. From time-to-time, faculty can go on a leave. Depending on the post of the applicant, his/her leave application would go through a specific route. For instance, leave application of a faculty follows the following route for approval: Faculty → HoD → Dean Faculty Affairs. In each stage, the person forwards with comments. Finally Dean Faculty Affairs approves or rejects. After approval, leave is deducted from the available leaves and an intimation is sent to faculty.

6. The leave applications of HoDs and Deans are approved by the Director.

7. Two more things to note here:
   - Each employee has a fixed number of leaves per year (this expires at the end of the year). Even if the leaves for the current year are finished, the employees may still be granted leave by borrowing some from the coming year. In such a case, two requests are raised by the faculty. One request is for borrowing of leaves and the other is regular leave. Both of these requests are encapsulated as one request and go together and follow the same route described previously. Once approved, an appropriate note (mentioning that leaves have been borrowed) is attached with the approval.
   - Sometimes, HoD, concerned head, and/or Dean FAA may redirect the application to the employee for more comments.
8. Complete Paper Trail Maintained in the system: "Who signed what and when." Even if an employee leaves the institute, there should be a record on what all did he/she approve of. Similar is the case when HoDs or Deans change.

9. Link to code :- https://github.com/saurav8683/php-mongo