

Milestone 2 Progress Update

**For
TEMPO**

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Expected vs Current Progress

Expected Progress		Current Progress	
10/14~10/16	Set up Database	10/15~10/28	Study Laravel, PHP, MySQL, CSS, HTML, and MVC
10/17~10/20	Make a Login page (frontend)	10/23~10/26	Make a Login page (frontend)
10/22~10/26	Login Function (backend)	10/20~10/26	Login Function (backend)
10/27~10/31	Logout Function (backend)	10/20~10/26	Logout Function (backend)
10/17~10/25	Make a Home page	10/25~10/29	Make a Home page
10/17~10/19	Add Facility (frontend)	10/28~11/4	Add Facility (frontend)
10/20~10/22	Add Facility (backend)	10/29~10/31	Add Facility (backend) (90%)
10/23~10/25	Edit Facility (frontend)	10/30~10/31	Edit Facility (frontend) (70%)
10/26~10/28	Edit Facility (backend)	10/31~11/3	Edit Facility (backend)
10/29~10/31	Delete Facility (frontend)	10/31~11/1	Delete Facility (frontend) (80%)
11/1~11/3	Delete Facility (backend)	11/1~11/4	Sign up Function (Frontend & Backend)
10/26~11/1	Timetable (frontend)	11/2~11/3	Delete Facility (backend)
* 11/2~	Timetable (backend)	* 11/5~	Studying Timetable API
* 11/4~	Select Room (frontend)		

* : in-progress

Milestone 2 Analysis

According to the expected progress, we had to finish implementing the timetable and start making reservation system. In reality, however, we just finished the facility part and could not start on reservation part. Since it was a first time using the Laravel framework, it took much more time for us to study and understand it than we thought it would take. To be specific, understanding MVC architecture pattern, creating MVC models in Laravel, studying the Blade template engine, and practice getting data from the database took a long time. We had to spend most time learning before starting to implement the application.

For the 'Authentication' and 'Facility' part, we first tried to divide the features and work individually. Nevertheless, we ended up studying together by doing a lot of code reviews, and we built up functions one by one together. Therefore, the responsibility for delay does not fall over one person; it falls over the whole team. Midterms and projects in other classes were also issues that delayed our work.

To meet the final deadline, we will try to shorten the time to implement the rest of functions. Since we are rapidly getting familiar with Laravel, we are positive in shortening the time. Also, we will put as less energy as we can on minor functions, such as user manuals.

In addition, there is a slight change from our original plan. At first, we assumed that users' accounts are provided by schools, so users do not have to register for the website. We decided, however, to provide register function to easily create an account for testing purposes.

Additional Features for Milestone 3

- Timetable
- Reservation System
 - Open
 - Approval (70% completion)

Updated Schedule: <https://app.instagantt.com/shared/5dc059131c8d772c7f367936>