Software Design Specification

for

Reservation of Facility and Equipment Inventory System

Version 2021

Prepared by: TIRD Dev Team

Dacanay, John Russel L.

Limba, David L.

Sescar, John Timothy L.

Traqueña, Irish D

Polytechnic University of the Philippines - Taguig Branch.

Table of Contents

Ta	ble o	of Contents	2
		on History	
	, 1510		
1.	INT	TRODUCTION	3
	1.1	Purpose	3
	1.2	Scope of the Development Projecr	
	1.3	Definitions, Acronyms, and Abbreviations	
	1.4	References	4
	1.5	Overview of Document	4
2.	SYS	STEM ARCHITECTURE DESCRIPTIONS	5
	2.1	Overview of Modules/Components	5
	2.2	Structure and Relationships	7
	2.3	User Interfaces	8
3.	DET	TAILED DESCRIPTION OF COMPONENTS	22
	3.1	Component Template Description	
4.	REU	USE AND RELATIONSHIPS TO OTHER PRODUCTS	22
		SIGN DECISIONS AND TRADEOFFS	
6.	DES	SIGN SCHEMA	23
	~		· · · · · · · · · · · · · · · · · · ·

Revision History

Name Date		Reason For Changes	Version
Team	November 18, 2016	Initial Version of Document	1.0
TIRD Dev Team	August 29, 2021	Major Revisions	2.0

1. Introduction

1.1 Purpose

This document will outline in detail the software architecture and design for the Reservation of Facility and Equipment Inventory System (RFEIS). This document will include some views on the design of the framework to promote the system's communication and understanding.

1.2 Scope of the Development Project

This document provides the architecture and design of Release 2.0 of the RFEIS. It shows how the design will accomplish the functional and non-functional requirements detailed in the RFEIS Software Requirements Specification (SRS) document.

1.3. Definitions, Acronyms, and Abbreviations

Term/Acronym	Definition						
DDMC	Detahasa Managament System A magamentali interfece which						
DBMS	Database Management System. A programmable interface which						
	provides acommon layer of abstraction between a physical database						
	and a user or external program.						
HTML	Hypertext Markup Language. Set of markup symbols or codes						
	intended for display on a World Wide Web browser page. The						
	markup instructs a web browser on how to display words and						

	images for a web page.
PHP	Hypertext Preprocessor. An extensible scripting language, suited for
	web-based development, typically embedded in HTML.
CodeIgniter	is a MVC framework with directories for your models, views and
	controllers, conveniently named "Models," "Views," and
	"Controllers." The "Config" directory contains a fair number of
	configuration files and three you'll want to customize first are going
	to be "App.php," "Autoload.php," and "Database.php." They have
	lots of helpful comments to explain what each setting is to guide
	you along.
RFEIS	Reservation of Facility and Equipment Inventory System

1.4 References

References are from the documents of ORS Software Requirements Specification (SRS) Version 2020.

1.5 Overview of Document

This document is for the client's reference. The specifications of the software will be seen here. Any revisions of the Reservation of Faculty and Equipment Inventory System will be updated here. This will help the administrators of the information system to be able to know what to do in case errors arise.

2. System Architecture Description

2.1 Overview of Modules/Components

TheReservation of Faculty and Equipment Inventory System is a web-based system for managing the web application of the administrative office of theuniversity. The development team had purposely designed the modules of each module for their stakeholders. The administrators and super administrator will have the most functionality.

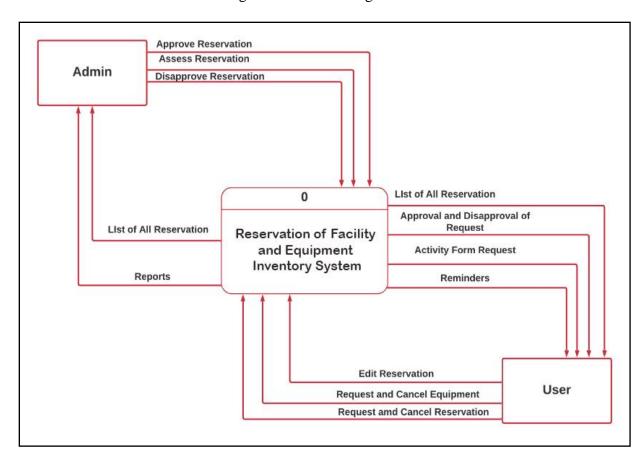


Figure 1. Context Diagram

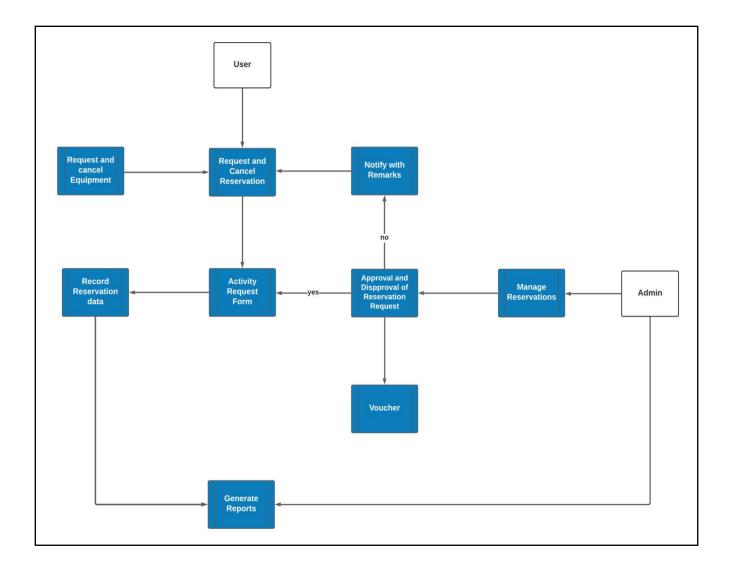


Figure 2. Data Flow Diagram

2.2 Structure and Relationships

°deleted at

DateTime

The relationship designs and diagrams of the system are based on the Entity Relationship Diagram.

frbs reservation status BigInt frbs_faculties reservation_id BigInt frbs students status id BigInt frbs_reservations BigInt extension_name_id BigInt reservation fee int organization_id BigInt position id BigInt frhs vear levels department_id BigInt user id BigInt course id BigInt created at DateTime year_id employee_number organization id BigInt BigInt Varchar BigInt updated at DateTime extension_name_: varcha first name Varchar faculty_id BigInt year °deleted at DateTime facility_id BigInt student number Varchar description Varchar lastname Varchar middle_name Varchar event_type_id BigInt first name Varchar status varchar DateTime email address Varchar created at reservation code Varchar middle name Varchar updated_at DateTime contact number Varchar event_name Varchar status event objectives Varchar email address Varchar deleted at DateTime Int frbs_reservation_remarks contact number Varchar created at budget. Int. id BigInt. facebook_account Varchar updated_at DateTime in charge Varchar status Varchar status Int. frbs extension names deleted at DateTime participants_count description Varchar DateTime reservation_date Date created at id BigInt created_at DateTime frbs_faculty_positions updated_at DateTime reservation starting time Time extension_name Varchar updated at DateTime DateTime reservation end time Time status varchar id BigInt varchar deleted at DateTime position Varchar created at DateTime created at DateTime description Varchar frbs_courses updated_at frbs_event_types deleted at updated at DateTime status varchar •id BigInt deleted at DateTime †id_ BigInt created at DateTime course name Varchar event_type Varchar updated_at description Varchar description Varchar deleted at varchar °created at DateTime created at DateTime frbs facilities updated_at DateTime updated at DateTime frbs_faculty_department DateTime facility code Varchar id BigInt facility_name Varchar Varchar description Varchar description Varchar *id BigInt status varchar organization type id BigInt frbs_organization_types created_at DateTime DateTime created at °organization name Varchar updated_at DateTime updated at DateTime BigInt °description Varchar organization type Varchar deleted at °deleted at DateTime status varchar description Varchar °created at DateTime frbs_borrowed_equipments status varchar °updated_at DateTime DateTime id BigInt °created at °deleted a updated_at DateTim reservation id big int deleted at equipment_id Varchar quantity Varchar status varchar DateTime created at updated at DateTime deleted at DateTime •id BigInt frbs_modules role id BigInt frbs_equipments id BigInt first name varchar module Varchar frbs roles id BigInt description Varchar email address varchar equipment code Varchar id BigInt username Varchar equipment_name role_name Varchar created at DateTime password Varchar quantity int description Varchar updated at DateTime status varchar °created_at °updated_at description Varchar DateTime frbs_roles_permissions deleted at varchar created at DateTime status DateTime id created at DateTime updated at DateTime deleted at DateTime role id updated at DateTime permission id big int deleted at DateTime created at DateTime frbs_permission_types frbs permissions frbs logs deleted at DateTime BigInt •id BigInt id BigInt varchar module id BigInt type user_id BigInt status varchar permission Varchar description Varchar description Varchar created at DateTime created at DateTime updated at DateTime slugs varchar varchar status created at DateTime updated at DateTime

Figure 3. RFEIS Entity Relationship Diagram

2.2 User Interfaces

Figure 4. Administrators' Log-in Panel

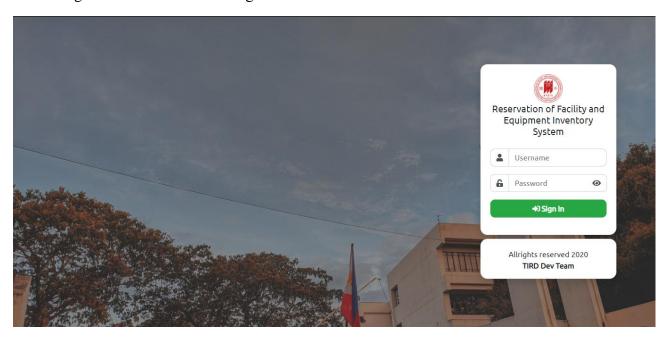


Figure 5. Super Administrator's Dashboard

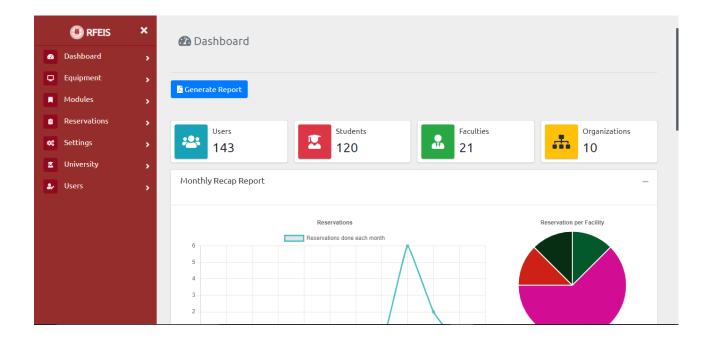


Figure 6. Navigation Bar

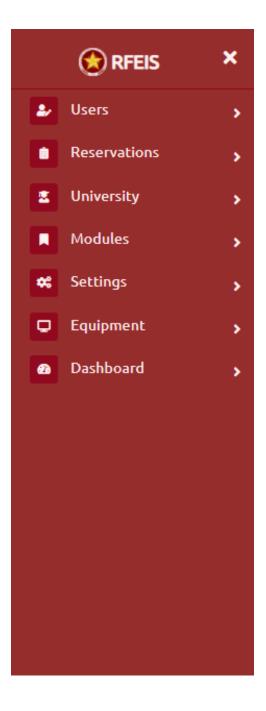


Figure 7. Users Management

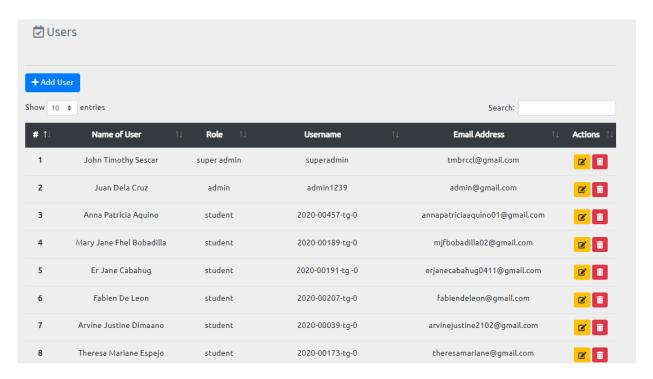


Figure 8. Roles Management

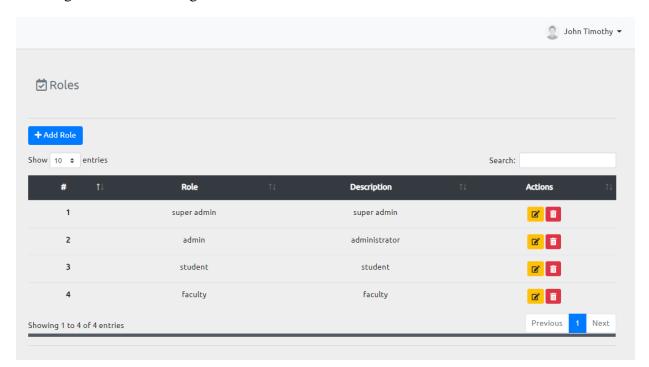


Figure 9. Roles Permission

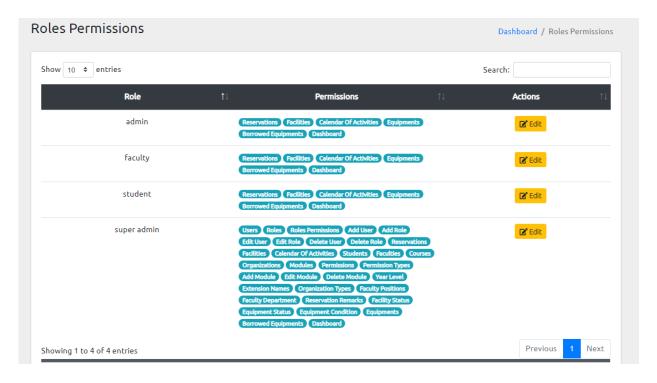


Figure 10. List of Reservations

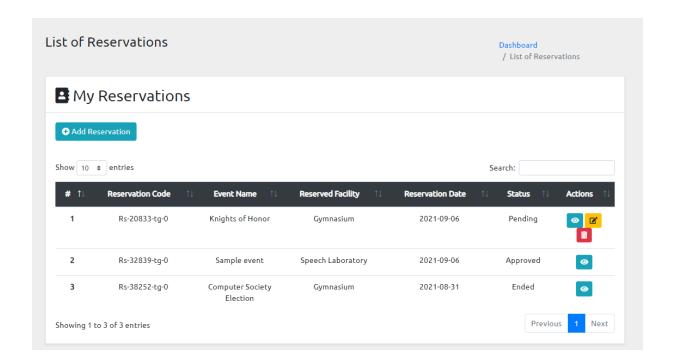


Figure 11. List of Facilities

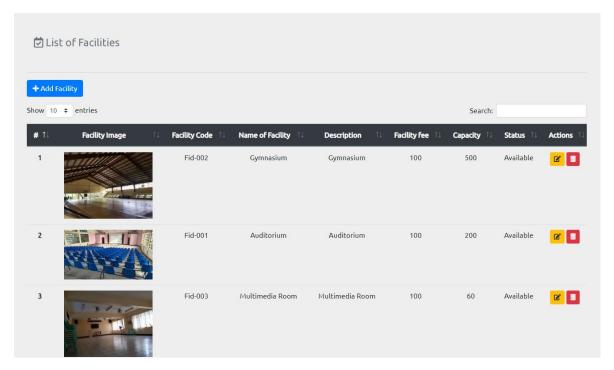


Figure 12. Calendar of Activities

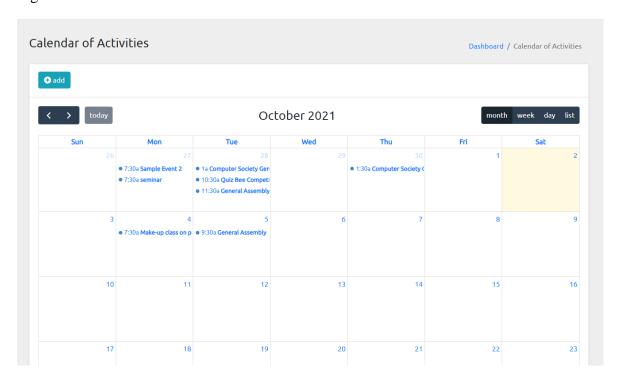


Figure 13. List of Students

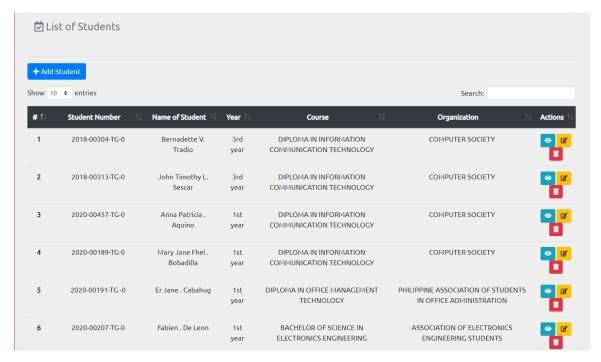


Figure 14. List of Faculties

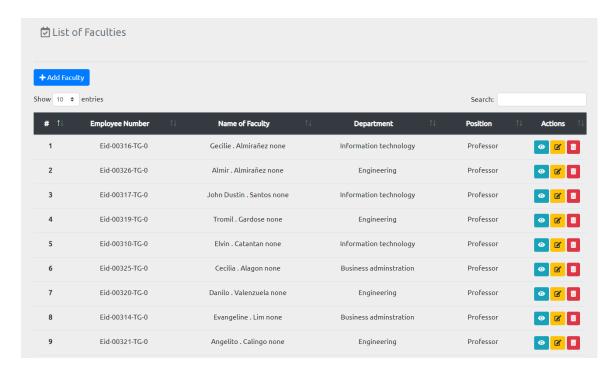


Figure 15. List of Courses

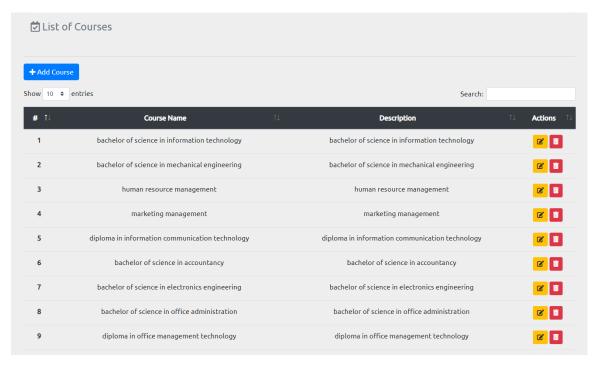


Figure 16. List of Organizations

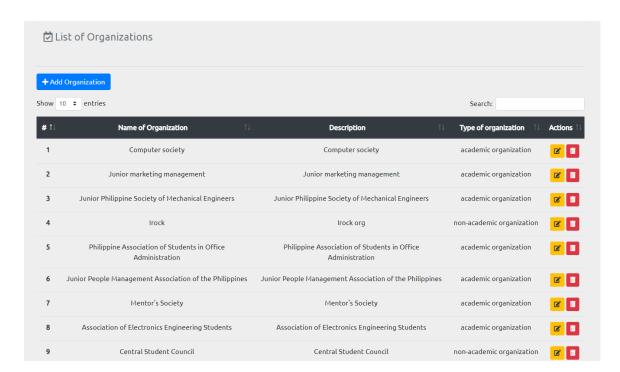


Figure 17. List of Modules

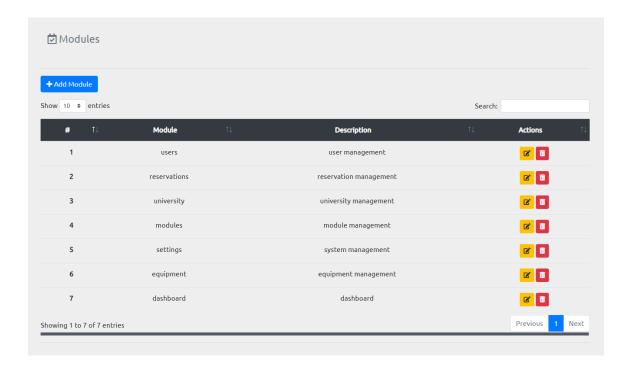


Figure 18. List of Permissions

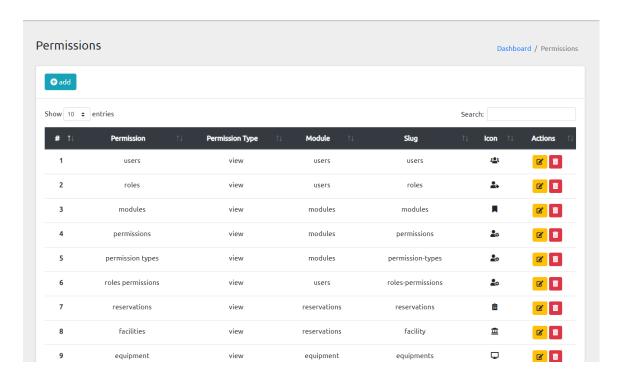


Figure 19. List of Permission Types

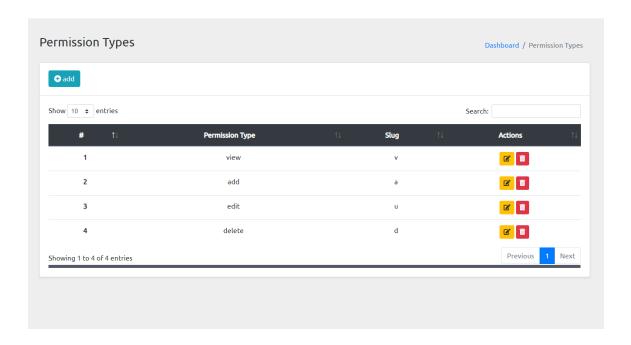


Figure 20. List of Year Levels

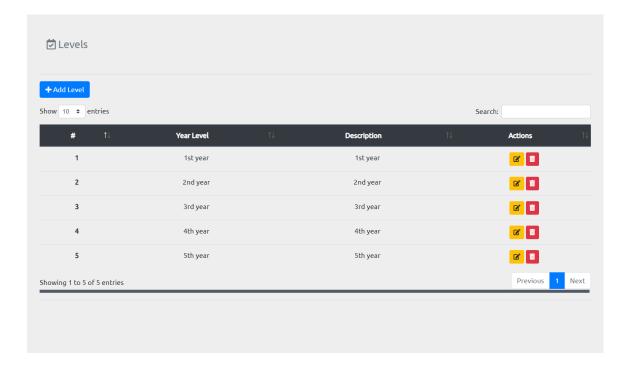


Figure 21. List of Extension Names

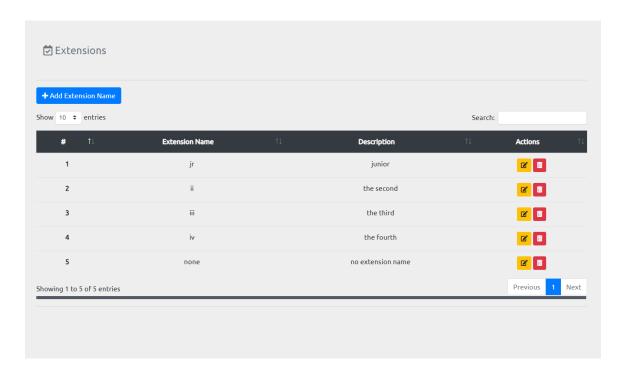


Figure 22. List of Organization Types

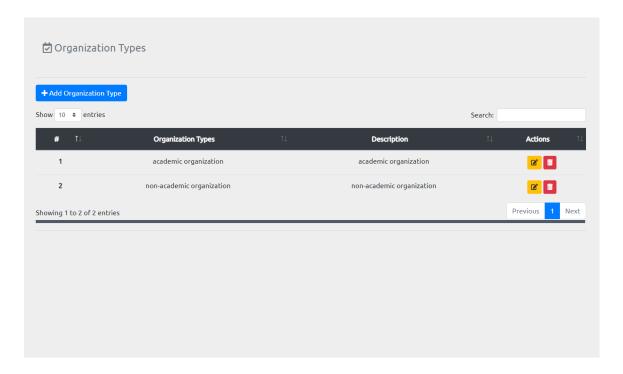


Figure 23. List of Faculty Positions

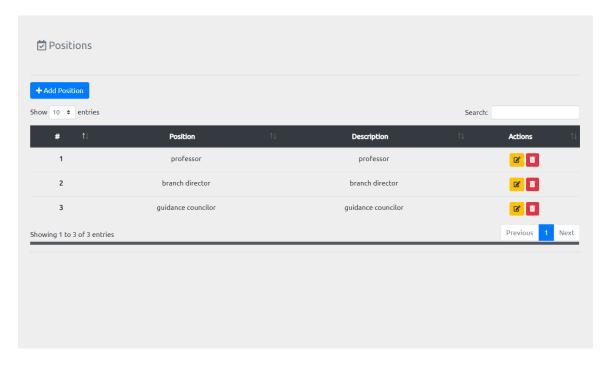


Figure 24. List of Faculty Departments

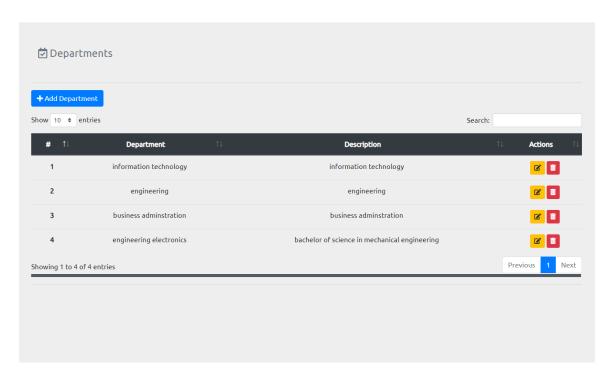


Figure 25. List of Reservation Remarks

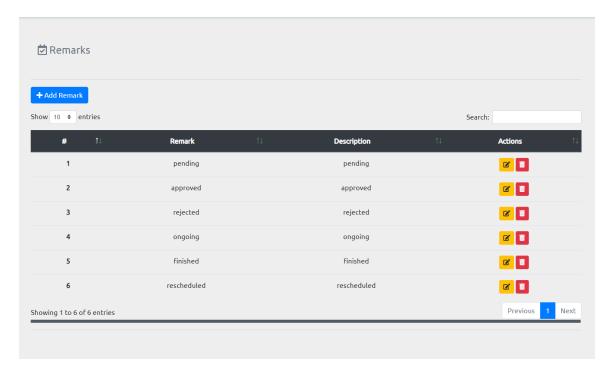


Figure 26. List of Facility Status

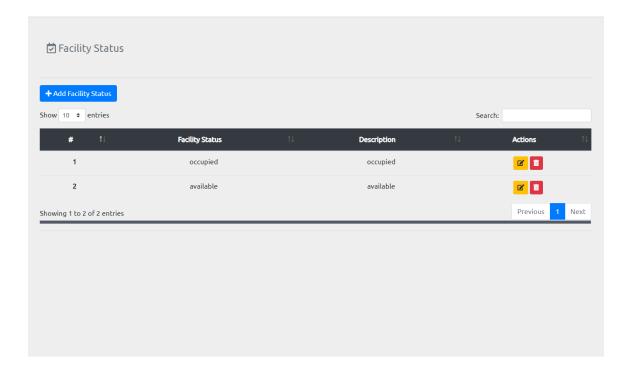


Figure 27. List of Equipment Status

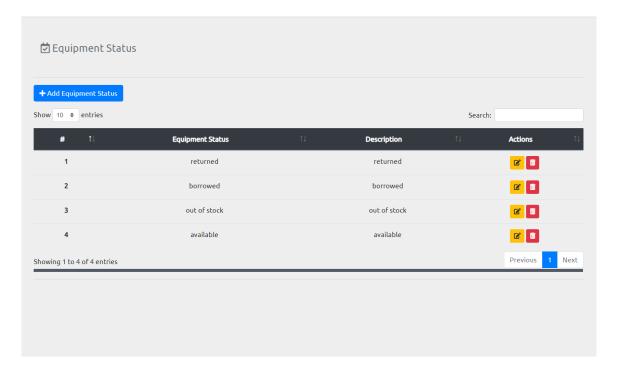


Figure 28. List of Equipment Conditions

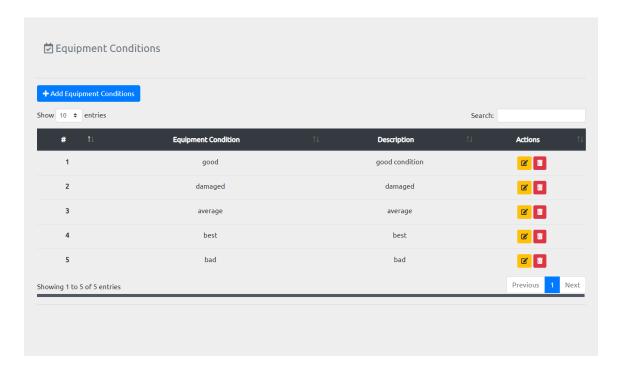


Figure 29. List of Equipment

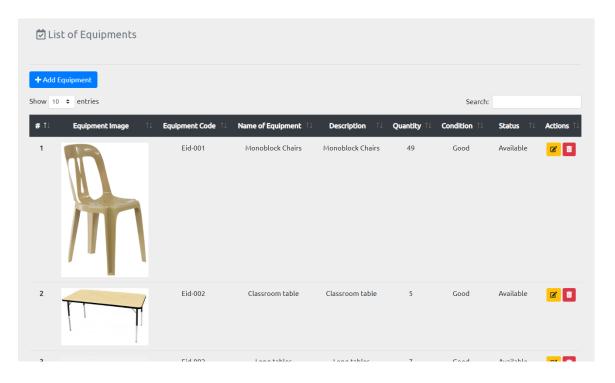
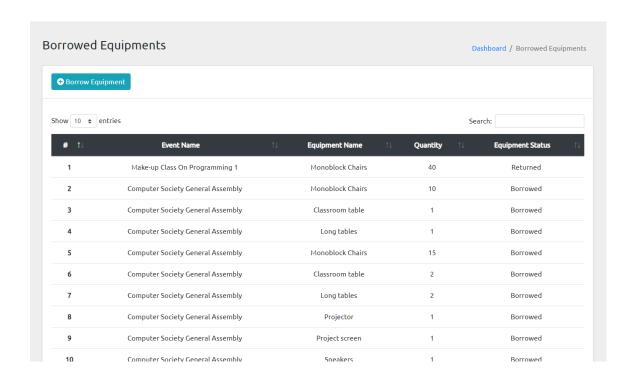


Figure 30. List of Borrowed Equipment



3. Detailed Description of Components

3.1Component Template Description

The components of the web application are the following:

- Database server provides the data of the web application.
- Web server delivers data files and web pages to web-based applications.
- Client software –resides in the computer or mobile device of the user so he can access the application.

4. Reuse and Relationships to Other Products

The Reservation of Facility and Equipment Inventory System was designed by the development team according to the PUP-Taguig's regulations. The database is independent.

4.1PHP Tools

RFEIS was developed with the Code Igniter Framework.

4.2Database

RFEIS' data are stored by a MySQL database. The administrator won't have to worry about the security of the database.

5. Design Decisions and Tradeoffs

To create RFEIS, the developers asked the requirements of the client. The web application was checked by the client. If he's not satisfied, he suggests an alternative solution.

The client requested the system to be user-friendly and easy to understand so the students won't have a hard time reserving the facilities and equipment of the university.

6. Design Schema

The following data are the Data Dictionary of the Reservation of Facility and Equipment Inventory System.

Figure 31. rfeis_borrowed_equipments

id	user_id	reservation_id	equipment_id	quantity	returned_quantity	status_id	condition_id	remarks	status	created_at	updated_at	deleted_at
321	0	57	10	20	20	3	3	cleared	a	2021-08-26 05:09:04	2021-08-26 05:22:02	0000-00-00 00:00:
322	0	57	11	7	7	3	3	cleared	a	2021-08-26 05:09:04	2021-08-26 05:22:24	0000-00-00 00:00
323	0	57	12	1	1	3	3	cleared	a	2021-08-26 05:09:04	2021-08-26 05:22:36	0000-00-00 00:00
324	0	57	18	1	1	3	3	cleared	а	2021-08-26 05:09:04	2021-08-26 05:22:47	0000-00-00 00:00
325	131	58	10	10	0	4	0		d	2021-08-26 06:36:56	2021-08-26 06:40:28	2021-08-26 06:40:
326	131	58	11	1	0	4	0		d	2021-08-26 06:36:56	2021-08-26 06:40:28	2021-08-26 06:40
327	131	58	12	1	0	4	0		d	2021-08-26 06:36:56	2021-08-26 06:40:28	2021-08-26 06:40
328	131	58	13	1	0	4	0		d	2021-08-26 06:36:57	2021-08-26 06:40:28	2021-08-26 06:40
329	131	58	14	1	0	4	0		d	2021-08-26 06:36:57	2021-08-26 06:40:28	2021-08-26 06:40:
330	131	58	15	1	0	4	0		d	2021-08-26 06:36:57	2021-08-26 06:40:29	2021-08-26 06:40
331	131	58	16	1	0	4	0		d	2021-08-26 06:36:57	2021-08-26 06:40:29	2021-08-26 06:40
332	131	58	17	1	0	4	0		d	2021-08-26 06:36:57	2021-08-26 06:40:29	2021-08-26 06:40
333	131	58	18	1	0	4	0		d	2021-08-26 06:36:57	2021-08-26 06:40:29	2021-08-26 06:40:
334	131	58	10	10	0	4	0		d	2021-08-26 06:37:49	2021-08-26 06:40:29	2021-08-26 06:40
335	131	58	11	1	0	4	0		d	2021-08-26 06:37:50	2021-08-26 06:40:29	2021-08-26 06:40:
336	131	58	12	1	0	4	0		d	2021-08-26 06:37:50	2021-08-26 06:40:29	2021-08-26 06:40

Figure 36. rfeis_event_type

id	event_type	description	status	created_at	updated_at	deleted_at
1	organizational	organizational	a	2021-05-13 09:16:33	0000-00-00 00:00:00	00:00:00:00:00
2	academic related	academic related	a	2021-05-13 09:16:42	0000-00-00 00:00:00	0000-00-00 00:00:00
3	University-wides	University-wide	d	2021-06-22 06:44:50	2021-06-22 06:46:44	2021-06-22 06:46:44

Figure 32. rfeis_courses

id	course_name	description	status	created_at	updated_at	deleted_at
1	bsit	bachelor of science in information technology	a	2021-05-13 09:20:36	0000-00-00 00:00:00	0000-00-00 00:00:00
2	bsme	bachelor of science in mechanical engineering	а	2021-05-13 09:20:48	0000-00-00 00:00:00	0000-00-00 00:00:00
3	bsba-hrm	human resource management	a	2021-05-13 09:21:00	0000-00-00 00:00:00	0000-00-00 00:00:00
11	bsba - mm	marketing management	а	2021-07-28 10:36:55	2021-07-28 10:36:55	0000-00-00 00:00:00
5	dict	diploma in information communication technology	a	2021-06-23 23:47:30	2021-06-23 23:47:30	0000-00-00 00:00:00
8	bsa	bachelor of science in accountancy	a	2021-07-28 10:19:13	2021-07-28 10:19:13	0000-00-00 00:00:00
7	bsece	bachelor of science in electronics engineering	a	2021-07-28 10:11:18	2021-07-28 10:11:18	0000-00-00 00:00:00
9	bsoa	bachelor of science in office administration	a	2021-07-28 10:21:42	2021-07-28 10:21:42	0000-00-00 00:00:00
10	domt	diploma in office management technology	a	2021-07-28 10:25:28	2021-07-28 10:25:28	0000-00-00 00:00:00
12	bsed - english	bachelor of Secondary Education Major English	a	2021-07-28 11:20:36	2021-07-28 11:20:36	0000-00-00 00:00:00
13	bsed - math	bachelor in Secondary Education Major Mathematics	a	2021-07-28 11:24:14	2021-07-28 11:24:14	0000-00-00 00:00:00

Figure 33. rfeis_equipments

id	equipment_code	equipment_name	description	image	status_id	condition_id	quantity	status	created_at
10	eid-001	Monoblock Chairs	Monoblock Chairs	1627510793_78eaf6c75d311b7107c1.jpg	6	3	74	6	2021-07-28 17:19:53
11	eid-002	classroom table	classroom table	1627510836_a58da4be299415f895d4.jpg	6	3	9	6	2021-07-28 17:20:36
12	eid-003	long tables	long tables	1627510871_cfef3432e93c274630a8.png	6	3	10	6	2021-07-28 17:21:11
13	eid-004	projector	projector	1627510901_a18886e7c72a4e532d20.png	6	3	2	6	2021-07-28 17:21:41
14	eid-005	project screen	project screen	1627510932_addf3519e64ce224e642.jpg	6	3	1	6	2021-07-28 17:22:12
15	eid-006	speakers	speakers	1627511009_7be110472ff2dbf62e01.jpg	6	3	2	6	2021-07-28 17:23:29
16	eid-007	Electric Fan	Electric Fan	1627511042_45128d4f4a3e3842ea02.jpg	6	3	6	6	2021-07-28 17:24:02
17	eid-008	microphone	microphone	1627511075_b57a5a7dad99c802ba90.jpg	6	3	3	6	2021-07-28 17:24:35
18	eid-009	amplifier	amplifier	1627511113_6063b9b41097f1949764.jpg	5	3	0	6	2021-07-28 17:25:13

Figure 34. rfeis_equipment_conditions

id	equipment_condition	description	status	created_at	updated_at	deleted_at
3	good	Good Condition	a	2021-06-24 02:26:36	2021-06-24 02:26:36	0000-00-00 00:00:00
4	damaged	damaged	a	2021-08-27 01:24:23	2021-08-27 01:24:23	0000-00-00 00:00:00
5	average	average	a	2021-08-27 01:24:43	2021-08-27 01:24:43	0000-00-00 00:00:00
6	best	best	a	2021-08-27 01:24:55	2021-08-27 01:24:55	0000-00-00 00:00:00
7	bad	bad	а	2021-08-27 01:25:05	2021-08-27 01:25:05	0000-00-00 00:00:00

Figure 35. rfeis_equipment_status

id	equipment_status	description	status	created_at	updated_at	deleted_at
3	returned	returned	a	2021-06-23 20:25:35	2021-07-26 01:58:17	0000-00-00 00:00:00
4	borrowed	borrowed	а	2021-06-23 20:27:24	2021-07-26 01:58:35	0000-00-00 00:00:00
5	out of stock	out of stock	a	2021-07-27 08:49:47	2021-07-27 08:49:47	0000-00-00 00:00:00
6	available	available	a	2021-07-27 22:28:07	2021-07-27 22:28:07	0000-00-00 00:00:00

Figure 37. rfeis_extension_names

id	extension_name	description	status	created_at	updated_at	deleted_at
1	jr	junior	a	2021-05-13 09:12:26	0000-00-00 00:00:00	0000-00-00 00:00:00
2	ii	the second	а	2021-05-13 09:12:45	0000-00-00 00:00:00	0000-00-00 00:00:00
3	iii	the third	a	2021-05-13 09:12:57	0000-00-00 00:00:00	0000-00-00 00:00:00
4	iv	the fourth	a	2021-05-13 09:13:08	0000-00-00 00:00:00	0000-00-00 00:00:00
5	VI	Fifth	d	2021-06-22 07:32:29	2021-06-22 07:33:15	2021-06-22 07:33:15
6	none	no extension name	а	2021-06-22 15:20:11	2021-06-22 15:20:11	0000-00-00 00:00:00

Figure 38. rfeis_facilities

id	facility_code	facility_name	description	image	capacity	facility_fee	facility_status_id	status	created_at	updated_at	deleted_at
24	fid-002	Gymnasium	Gymnasium	1627503042_7bf5bb365773c31fda66.jpg	500	100	5	a	2021-07-28 15:10:42	2021-07-28 15:10:42	0000-00-00 00:00:00
23	fid-001	auditorium	auditorium	1627502999_8c526a9f8e3164fcf139.jpg	200	100	5	a	2021-07-28 15:09:59	2021-07-28 15:09:59	0000-00-00 00:00:00
25	fid-003	Multimedia Room	Multimedia Room	1627503095_67366678a9780a718b88.jpg	60	100	5	а	2021-07-28 15:11:35	2021-07-28 15:11:35	0000-00-00 00:00:00
26	fid-004	Aboitiz Laboratory	Aboitiz Laboratory	1627503154_4e16f4edf8966c7891b0.jpg	60	100	5	а	2021-07-28 15:12:34	2021-07-28 15:12:34	0000-00-00 00:00:00
27	fid-005	Conference Room	Conference Room	1627503200_e80ab6e4a832c05f0b96.jpg	60	100	5	а	2021-07-28 15:13:20	2021-07-28 15:13:20	0000-00-00 00:00:00
28	fid-006	DOST Laboratory	DOST Laboratory	1627503260_df61247b9bfd38d87dcb.jpg	60	100	5	a	2021-07-28 15:14:20	2021-07-28 15:14:20	0000-00-00 00:00:00
29	fid-007	Speech Laboratory	Speech Laboratory	1627503321_2efdfc414dd4ae7c03e0.jpg	40	100	5	а	2021-07-28 15:15:21	2021-07-28 15:15:21	0000-00-00 00:00:00
30	fid-008	Research Office	Research	1627503398_55ab5f87d756d60cdbc4.jpg	30	100	5	a	2021-07-28 15:16:38	2021-07-28 15:16:38	0000-00-00 00:00:00

Figure 39. rfeis_facility_status

id	facility_status	description	status	created_at	updated_at	deleted_at
2	Availabless	Available	d	2021-06-23 19:48:07	2021-06-23 19:49:56	2021-06-23 19:49:56
3	Availables	Available	d	2021-06-23 19:48:53	2021-06-23 19:49:19	2021-06-23 19:49:19
4	Occupied	Occupied	a	2021-06-23 20:28:38	2021-06-23 20:28:38	0000-00-00 00:00:00
5	Available	Available	a	2021-06-24 00:12:35	2021-06-24 00:12:35	0000-00-00 00:00:00

Figure 40. rfeis_faculty

id	position_id	department_id	employee_number	first_name	last_name	middle_name	extension_name_id	email_address	contact_number	status	created_at
5	5	3	eid-00312-TG-0	Yolanda	Rabe		6	yolandarabe@gmail.com	9270545331	a	2021-07-28 12:17:51
4	2	3	eid-00313-TG-0	Marissa	ferrer		6	marissaferrer@gmail.com	9205540377	а	2021-07-28 12:09:38
6	1	1	eid-00316-TG-0	Gecilie	Almirañez		6	almiranez.gecilie@gmail.com	09328434905	а	2021-07-28 12:21:47
7	8	2	eid-00318-TG-0	Michael	Zarco		6	zarco.michael@gmail.com	9473089458	а	2021-07-28 12:23:39
8	9	3	eid-00315-TG-0	Maliksi	Liwanag		6	maliksi.liwanag@gmail.com	9197867189	a	2021-07-28 12:25:10
9	1	2	eid-00326-TG-0	Almir	Almirañez		6	almir.almiranez@gmail.com	9206131468	a	2021-07-28 13:05:45
10	10	3	eid-00323-TG-0	Gina	Dela Cruz		6	ginadelacruz@gmail.com	9164546149	а	2021-07-28 13:07:07
11	7	3	eid-00311-TG-0	Mhel	Garcia		6	mpgarciaregistrar@gmail.com	9951302183	a	2021-07-28 13:10:07
12	1	1	eid-00317-TG-0	John Dustin	Santos		6	johndustinsantos@gmail.com	9994080568	a	2021-07-28 17:25:15
13	1	2	eid-00319-TG-0	Tromil	Gardose		6	gardosetromil@gmail.com	09302990870	a	2021-07-28 17:26:35
14	1	1	eid-00310-TG-0	Elvin	Catantan		6	ec.cantatan@gmail.com	9770255241	а	2021-07-28 17:28:27
15	1	3	eid-00325-TG-0	Cecilia	Alagon		6	ceciliaalagaon@gmail.com	9563588213	a	2021-07-28 17:29:34
16	1	2	eid-00320-TG-0	Danilo	Valenzuela		6	daniovalenzuela@gmail.com	9970780187	a	2021-07-28 17:30:53
17	1	3	eid-00314-TG-0	Evangeline	Lim		6	evangelinelim@gmail.com	09511217733	a	2021-07-28 17:32:02
18	1	2	eid-00321-TG-0	Angelito	Calingo		6	calingoangelito@gmail.com	9281901983	а	2021-07-28 17:33:27
19	1	3	eid-00324-TG-0	Merly	Tataro		6	tataromerly@gmail.com	9164546149	а	2021-07-28 18:35:56

Figure 41. rfeis_faculty_departments

id	department	description	status	created_at	updated_at	deleted_at
1	information technology	information technology	a	2021-05-13 09:14:59	0000-00-00 00:00:00	0000-00-00 00:00:00
2	engineering	engineering	а	2021-05-13 09:15:12	0000-00-00 00:00:00	0000-00-00 00:00:00
3	business adminstration	business adminstration	a	2021-05-13 09:15:28	0000-00-00 00:00:00	0000-00-00 00:00:00
4	Engineering Electronics	bachelor of science in mechanical engineering	a	2021-06-22 06:08:04	2021-06-22 06:08:04	0000-00-00 00:00:00
5	Engineering Electronic	bachelor of science in mechanical engineering	d	2021-06-22 06:14:07	2021-06-22 06:14:34	2021-06-22 06:14:34

Figure 42. rfeis_faculty_positions

id	position	description	status	created_at	updated_at	deleted_at
1	professor	professor	a	2021-05-13 09:13:57	0000-00-00 00:00:00	0000-00-00 00:00:00
2	branch director	branch director	а	2021-05-13 09:14:14	0000-00-00 00:00:00	0000-00-00 00:00:00
3	guidance councilor	guidance councilor	a	2021-05-13 09:14:38	0000-00-00 00:00:00	0000-00-00 00:00:00
4	Assoc Professors	Assoc Professor	d	2021-06-22 10:17:33	2021-06-22 10:17:52	2021-06-22 10:17:52

Figure 43. rfeis_logs

id	user_id	reservation_id	description	created_at	updated_at	deleted_at
676	17	73	edit the reservation.	2021-09-17 13:57:57	2021-09-17 13:57:57	0000-00-00 00:00:00
675	17	74	edit the reservation.	2021-09-17 13:54:50	2021-09-17 13:54:50	0000-00-00 00:00:00
674	17	74	edit the reservation.	2021-09-17 13:54:27	2021-09-17 13:54:27	0000-00-00 00:00:00
673	17	74	edit the reservation.	2021-09-17 13:46:39	2021-09-17 13:46:39	0000-00-00 00:00:00
672	17	74	edit the reservation.	2021-09-17 13:45:33	2021-09-17 13:45:33	0000-00-00 00:00:00
671	17	74	edit the reservation.	2021-09-17 13:17:38	2021-09-17 13:17:38	0000-00-00 00:00:00
670	17	73	edit the reservation.	2021-09-17 11:27:58	2021-09-17 11:27:58	0000-00-00 00:00:00
669	17	73	edit the reservation.	2021-09-17 11:15:16	2021-09-17 11:15:16	0000-00-00 00:00:00
668	17	73	edit the reservation.	2021-09-17 11:14:17	2021-09-17 11:14:17	0000-00-00 00:00:00
667	17	73	edit the reservation.	2021-09-17 11:11:03	2021-09-17 11:11:03	0000-00-00 00:00:00
666	17	73	edit the reservation.	2021-09-17 11:10:02	2021-09-17 11:10:02	00:00:00:00:00
665	17	73	edit the reservation.	2021-09-17 11:09:12	2021-09-17 11:09:12	0000-00-00 00:00:00
664	17	73	edit the reservation.	2021-09-17 11:08:48	2021-09-17 11:08:48	00:00:00:00:00
663	17	73	edit the reservation.	2021-09-17 11:06:26	2021-09-17 11:06:26	0000-00-00 00:00:00
662	17	73	edit the reservation.	2021-09-17 11:03:39	2021-09-17 11:03:39	0000-00-00 00:00:00
661	17	73	edit the reservation.	2021-09-17 10:45:56	2021-09-17 10:45:56	0000-00-00 00:00:00
660	17	69	edit the reservation.	2021-09-12 22:25:24	2021-09-12 22:25:24	00:00:00:00:00

Figure 44. rfeis_modules

id	module	description	status	created_at	updated_at	deleted_at
1	users	user management	a	2021-05-13 09:03:57	2021-07-28 13:51:20	0000-00-00 00:00:00
2	miscellaneous management	miscellaneous management	d	2021-05-13 09:04:46	2021-07-22 02:13:56	2021-07-22 02:13:56
3	reservations	reservation management	a	2021-05-13 09:05:02	2021-07-23 22:10:00	0000-00-00 00:00:00
4	university	university management	a	2021-05-13 09:05:21	2021-07-28 13:51:34	0000-00-00 00:00:00
5	System Setting	System Settings	d	2021-06-21 11:30:50	2021-06-21 11:31:06	2021-06-21 11:31:06
6	modules	module management	а	2021-07-22 02:14:17	2021-07-28 13:51:44	0000-00-00 00:00:00
7	Settings	System Management	a	2021-07-22 02:14:56	2021-07-23 22:10:57	0000-00-00 00:00:00
8	Equipment	Equipment Management	а	2021-07-22 02:15:41	2021-07-23 22:10:39	0000-00-00 00:00:00
9	Dashboard	Dashboard	а	2021-07-28 13:38:14	2021-07-28 13:38:14	0000-00-00 00:00:00

Figure 45. rfeis_organization

id	organization_type_id	organization_name	description	status	created_at	updated_at	deleted_at
1	1	CS	computer society	а	2021-05-13 09:19:21	0000-00-00 00:00:00	0000-00-00 00:00:00
2	1	jma	junior marketing management	а	2021-05-13 09:19:36	0000-00-00 00:00:00	0000-00-00 00:00:00
3	1	jpsme	Junior Philippine Society of Mechanical Engineers	a	2021-05-13 09:19:55	0000-00-00 00:00:00	0000-00-00 00:00:00
4	2	irock	irock org	a	2021-05-13 09:20:20	0000-00-00 00:00:00	0000-00-00 00:00:00
6	1	Pasoa	Philippine Association of Students in Office Admin	a	2021-07-28 10:45:34	2021-07-28 10:45:34	0000-00-00 00:00:00
7	1	Jpmap	Junior People Management Association of the Philip	а	2021-07-28 10:47:48	2021-07-28 10:47:48	0000-00-00 00:00:00
8	1	ms	Mentor's Society	a	2021-07-28 10:57:32	2021-07-28 10:57:32	0000-00-00 00:00:00
9	1	AECES	Association of Electronics Engineering Students	a	2021-07-28 10:58:05	2021-07-28 10:58:05	0000-00-00 00:00:00
10	2	CSC	Central Student Council	a	2021-07-28 10:58:52	2021-07-28 10:58:52	0000-00-00 00:00:00
11	1	JPIA	Junior Philippine Institute of Accountants	а	2021-07-28 11:40:12	2021-07-28 11:40:12	0000-00-00 00:00:00

Figure 46. rfeis_organization_type

i	id	organization_type	description	status	created_at	updated_at	deleted_at
	1	academic organization	academic organization	a	2021-05-13 09:13:30	0000-00-00 00:00:00	0000-00-00 00:00:00
	2	non-academic organization	non-academic organization	a	2021-05-13 09:13:40	0000-00-00 00:00:00	0000-00-00 00:00:00
	3	non-academic organizatios	non-academic organizatio	d	2021-06-22 09:36:27	2021-06-22 09:36:41	2021-06-22 09:36:41

Figure 47. rfeis_permission

id	module_id	permission	permission_type	slug	icon	status	created_at	updated_at	deleted_at
11	1	Edit user	13	edit-user	<i class="fas fa-user-edit"></i>	a	2021-07-22 02:10:12	2021-07-22 02:10:12	0000-00-00 00:00:00
10	1	add user	12	add-user	<i class="fas fa-user-plus"></i>	a	2021-07-21 23:12:10	2021-07-22 02:10:46	0000-00-00 00:00:00
9	1	Users	11	users	<i class="fas fa-users"></i>	a	2021-07-21 23:02:38	2021-07-21 23:02:38	0000-00-00 00:00:00
12	1	Delete User	14	delete-user	<i class="fas fa-user-times"></i>	a	2021-07-22 02:11:54	2021-07-22 02:11:54	0000-00-00 00:00:00
13	1	Roles	11	roles	<i class="fas fa-user-tag"></i>	a	2021-07-22 02:13:28	2021-07-22 02:13:28	0000-00-00 00:00:00
14	1	add role	12	add-role	<i class="fas fa-user-tag"></i>	a	2021-07-22 02:18:04	2021-07-22 02:18:04	0000-00-00 00:00:00
15	1	edit role	13	edit-role	<i class="fas fa-user-tag"></i>	a	2021-07-22 02:18:35	2021-07-22 02:18:35	0000-00-00 00:00:00
16	1	delete role	14	delete-role	<i class="fas fa-user-tag"></i>	а	2021-07-22 02:19:13	2021-07-22 02:19:13	0000-00-00 00:00:00
17	6	modules	11	modules	<i class="fas fa-bookmark"></i>	a	2021-07-22 02:22:20	2021-07-22 02:22:20	0000-00-00 00:00:00
18	6	add module	12	add-module	<i class="fas fa-bookmark"></i>	a	2021-07-22 02:23:02	2021-07-22 02:23:02	0000-00-00 00:00:00
19	6	edit module	13	edit-module	<i class="fas fa-bookmark"></i>	a	2021-07-22 02:23:44	2021-07-22 02:23:44	0000-00-00 00:00:00
20	6	delete module	14	delete-module	<i class="fas fa-bookmark"></i>	a	2021-07-22 02:24:30	2021-07-22 02:24:30	0000-00-00 00:00:00
21	6	permissions	11	permissions	<i class="fas fa-user-cog"></i>	a	2021-07-22 05:04:59	2021-07-22 05:04:59	0000-00-00 00:00:00
22	6	permission types	11	permission-types	<i class="fas fa-user-cog"></i>	a	2021-07-22 05:05:28	2021-07-22 05:05:28	0000-00-00 00:00:00
23	1	roles permissions	11	roles-permissions	<i class="fas fa-user-cog"></i>	a	2021-07-22 05:06:17	2021-07-22 05:06:17	0000-00-00 00:00:00
24	3	reservations	11	reservations	<i class="fas fa-clipboard-list"> </i>	a	2021-07-22 05:24:01	2021-07-22 05:24:01	0000-00-00 00:00:00

Figure 48. rfeis_permission_type

id	type	slug	status	created_at	updated_at	deleted_at
11	View	V	a	2021-07-21 23:01:18	2021-07-21 23:01:18	0000-00-00 00:00:00
12	Add	a	a	2021-07-21 23:01:28	2021-07-21 23:01:28	0000-00-00 00:00:00
13	Edit	u	a	2021-07-21 23:01:41	2021-07-21 23:01:41	0000-00-00 00:00:00
14	Delete	d	а	2021-07-21 23:02:00	2021-07-21 23:02:00	0000-00-00 00:00:00

Figure 49. rfeis_reservation

id	user_id	organization_id	course_id	faculty_id	facility_id	event_type_id	status_id	reservation_code	event_name	budget	participants_count	reservation_date	reservation_starting_time
72	115	1	0	4	24	1	5	rs-94091-tg-0	Quest for the best 2022	15000	500	2021-09-07	09:00:00
71	17	1	0	6	24	1	5	rs-00068-tg-0	General Assembly	1000	150	2021-09-06	09:00:00
70	17	1	0	6	23	1	5	rs-46825-tg-0	General Assembly	500	150	2021-08-31	09:00:00
69	131	1	0	6	24	1	1	rs-40201-tg-0	Computer Society Election	1000	150	2021-08-30	09:00:00
68	131	1	0	6	24	1	1	rs-31785-tg-0	Computer Society Election	1000	100	2021-08-31	09:00:00
67	131	1	0	6	24	1	1	rs-54158-tg-0	Computer Society Election	1000	100	2021-08-30	09:00:00
66	131	1	0	6	24	1	1	rs-54158-tg-0	Computer Society Election	1000	100	2021-08-30	09:00:00
64	131	1	0	6	24	1	1	rs-54158-tg-0	Computer Society Election	1000	100	2021-08-30	09:00:00
65	131	1	0	6	24	1	1	rs-54158-tg-0	Computer Society Election	1000	100	2021-08-30	09:00:00
63	131	1	0	6	24	1	1	rs-52890-tg-0	sample event	1000	100	2021-08-31	09:00:00
62	131	1	0	6	25	1	5	rs-60981-tg-0	sample Event	1200	50	2021-09-03	09:00:00

Figure 50. rfeis_reservation_remark

id	reservation_remarks	description	status	created_at	updated_at	deleted_at
1	pending	pending	a	2021-05-13 09:15:47	0000-00-00 00:00:00	0000-00-00 00:00:00
2	approved	approved	a	2021-05-13 09:16:03	0000-00-00 00:00:00	0000-00-00 00:00:00
3	rejected	rejected	a	2021-05-13 09:16:15	0000-00-00 00:00:00	0000-00-00 00:00:00
4	ongoing	ongoing	а	2021-08-22 05:11:51	2021-08-24 00:23:44	0000-00-00 00:00:00
5	ended	ended	a	2021-08-22 05:12:27	2021-08-22 05:12:27	0000-00-00 00:00:00
6	rescheduled	rescheduled	а	2021-08-24 00:23:30	2021-08-24 01:33:18	0000-00-00 00:00:00

Figure 51. rfeis_reservation_status

id	reservation_id	status_id	reservation_fee	remarks	receipt	is_checked	status	created_at	updated_at	deleted_at
92	64	1	0	Waiting for the assessment			d	2021-08-26 08:03:33	2021-08-26 08:58:49	2021-08-26 08:58:49
91	64	1	0	Waiting for the assessment			а	2021-08-26 08:02:07	2021-08-26 08:02:07	0000-00-00 00:00:00
90	63	1	0	Waiting for the assessment			d	2021-08-26 07:59:29	2021-08-26 08:01:15	2021-08-26 08:01:15
89	62	5	0	Kindly return borrowed equipments.	1629982192_bd8b482b6072511a55aa.jpg	1	а	2021-08-26 06:47:35	2021-08-26 07:52:50	0000-00-00 00:00:00
88	61	1	0	Waiting for the assessment			d	2021-08-26 06:42:15	2021-08-26 07:53:42	2021-08-26 07:53:42
86	58	1	0	Waiting for the assessment			d	2021-08-26 06:37:49	2021-08-26 06:40:31	2021-08-26 06:40:31
87	58	1	0	Waiting for the assessment			а	2021-08-26 06:38:14	2021-08-26 06:38:14	0000-00-00 00:00:00
84	57	5	300	ended.	1629973247_b8794776bd2753814a9c.png	1	а	2021-08-26 03:24:28	2021-08-26 05:21:28	0000-00-00 00:00:00
85	58	1	0	Waiting for the assessment			а	2021-08-26 06:36:56	2021-08-26 06:36:56	0000-00-00 00:00:00
93	66	1	0	Waiting for the assessment			d	2021-08-26 08:04:37	2021-08-26 08:58:57	2021-08-26 08:58:57

Figure 52. rfeis_roles

id	role_name	description	status	created_at	updated_at	deleted_at
1	super admin	super admin	a	2021-07-20 02:27:27	2021-07-20 02:27:27	00:00:00:00:00:00
2	Admin	Administrator	а	2021-07-20 02:27:41	2021-07-20 02:27:41	0000-00-00 00:00:00
3	student	student	a	2021-07-28 14:16:25	2021-07-28 14:16:25	0000-00-00 00:00:00
4	faculty	faculty	а	2021-07-28 14:16:37	2021-07-28 14:16:37	0000-00-00 00:00:00

Figure 53. rfeis_roles_permission

id	role_id	permission_id	created_at	updated_at	deleted_at
23	2	9	2021-07-21 23:12:38	2021-07-28 14:15:36	2021-07-28 14:15:36
22	2	10	2021-07-21 23:12:38	2021-07-28 14:15:36	2021-07-28 14:15:36
21	2	9	2021-07-21 23:10:03	2021-07-28 14:15:36	2021-07-28 14:15:36
41	1	18	2021-07-22 02:32:48	2021-07-28 14:09:28	2021-07-28 14:09:28
42	1	19	2021-07-22 02:32:48	2021-07-28 14:09:28	2021-07-28 14:09:28
43	1	20	2021-07-22 02:32:48	2021-07-28 14:09:28	2021-07-28 14:09:28
44	2	11	2021-07-22 02:33:47	2021-07-28 14:15:36	2021-07-28 14:15:36
45	2	10	2021-07-22 02:33:47	2021-07-28 14:15:36	2021-07-28 14:15:36

Figure 54. rfeis_student

id	organization_id	course_id	year_id	extension_name_id	student_number	first_name	last_name	middle_name	email_address	contact_number	facebook_account	status
93	1	5	3	6	2018-00304-TG-0	Bernadette	Tradio	Villanaba	bernatrads4@gmail.com	9494058830	Bernadette Tradio	а
92	1	5	3	6	2018-00313-TG-0	John Timothy	Sescar	Llega	tmbrccl@gmail.com	9087896711	John Timothy Sescar	а
8	3	2	3	6	2018-00213-TG-0	John Timothy	sescar	Llega	tmbrccl@gmail.com	09087896711	John Timothy L. Sescar	d
10	1	5	1	6	2020-00197-TG-0	Bryant Paul	Babac, Bryant Paul S.		bryantpaulbabac@gmail.com	9667344635	Bryant Paul Babac	d
11	1	5	1	6	2020-00457-TG-0	Anna Patricia	Aquino		annapatriciaaquino01@gmail.com	9380615397	Anna Patricia Aquino	a
12	1	5	1	6	2020-00189-TG-0	Mary Jane Fhel	Bobadilla		mjfbobadilla02@gmail.com	9281615257	Mary Jane Fhel Bobadilla	a
13	6	10	1	6	2020-00191-TG -0	Er Jane	Cabahug		erjanecabahug0411@gmail.com	9079068720	Er Jane Cabahug	a
14	9	7	1	6	2020-00207-TG-0	Fabien	De Leon		fabiendeleon@gmail.com	9493470963	Fabien De Leon	а
15	3	2	1	6	2020-00039-TG-0	Arvine Justine	Dimaano		arvinejustine2102@gmail.com	9154040321	Arvine Justine Dimaano	а
16	1	5	1	6	2020-00173-TG-0	Theresa Mariane	Espejo		theresamariane@gmail.com	9611451258	Theresa Mariane Espejo	a
17	7	3	1	6	2020-00179-TG-0	Kyle Hebryl	Evangelista		evangelistakyle18@gmail.com	9270545331	Kyle Hebryl Evangelista	a
18	7	3	1	6	2020-00201-TG-0	John Steven	Penecitos		Steven.penecitos123@gmail.com	9091548796	John Steven Penecitos	а
19	8	12	1	6	2020-00187-TG-0	Michelle Via	Rediga		michellerediga@gmail.com	9563053213	Michelle Via Rediga	a

Figure 55. rfeis_user

id	role_id	first_name	last_name	email_address	username	password	status	created_at	updated_at
26	3	john timothy	limba	tmbrccl@gmail.com	2018-00123-tg-0	\$2y\$10\$WQJD/3ye0V16oMXuYATf1uQxo7POS7z1kZqP7x2wqWO	d	2021-06-24 00:01:25	2021-06-25 03:22:47
25	3	john timothy	sescar	tmbrccl@gmail.com	2018-00213-tg-0	\$2y\$10\$A6xRp/yX6VnLa4tjHv2nvelseUAw/Tp.YMRuKInfKox	d	2021-06-24 00:01:00	2021-07-28 18:19:08
23	2	David	Sescar	fasdf@gmail.com	admin123	\$2y\$10\$bzMH86LzY8rgQgQDmVtjxe0ch2V4EzxbBReuJZAJWnu	d	2021-06-23 21:11:31	2021-06-23 21:11:38
24	4	john timothy	sescar	tmbrccl@gmail.com	eid-00312-tg-0	\$2y\$10\$jFHdviHiq3OqE50aohL3bOqqiWRF0/ZoFri55CpxKQQ	d	2021-06-23 23:58:35	2021-07-28 10:59:57
17	1	John Timothy	Sescar	tmbrccl@gmail.com	superadmin	\$2y\$10\$.uzc0O1DVutYz09AmONlxu8WJvtEN7scVw20mZOuqkJ	а	2021-06-23 20:57:00	2021-06-23 20:57:00
33	2	Juan	Dela Cruz	admin@gmail.com	admin1239	\$2y\$10\$PYaTNYzwCOMbEmYDUwKLk.EOeWdHezE7wL1CLRtVcik	a	2021-07-22 05:09:30	2021-07-22 05:09:30
32	2	Admin	Admin	admin@gmail.com	admin@gmail.com	\$2y\$10\$rFafDEadbQm9qxcbunH3K.1o4RZHhSe0k3XaLi/ZzGP	d	2021-07-07 09:12:07	2021-07-07 09:16:20
34	3	bryant paul	babac, bryant paul s.	bryantpaulbabac@gmail.com	2020-00197-tg-0	\$2y\$10\$HkH9H7wz3NyK1L6hC17gjeLrx3O.54VGa1zWtjSwBNc	d	2021-07-28 09:42:39	2021-07-28 09:43:08
35	3	anna patricia	aquino	annapatriciaaquino01@gmail.com	2020-00457-tg-0	\$2y\$10\$KiRclHqbCrDuCxTjQ.wiHOnpUV3Mc/iKSHTWZhulhxr	а	2021-07-28 09:45:45	2021-07-28 09:45:45
36	3	mary jane fhel	bobadilla	mjfbobadilla02@gmail.com	2020-00189-tg-0	\$2y\$10\$KZzb55/i4ntaCx8.93zVZ.QVmH6lvZbr2s8haNH7AB/	а	2021-07-28 09:49:33	2021-07-28 09:49:33
37	3	er jane	cabahug	erjanecabahug0411@gmail.com	2020-00191-tg -0	\$2y\$10\$csd8fJe/l73KfMC4Etv2Z.jFbaS30iCdPNswpkjOhYk	а	2021-07-28 10:55:42	2021-07-28 10:55:42
38	3	fabien	de leon	fabiendeleon@gmail.com	2020-00207-tg-0	\$2y\$10\$jhM63Q23eatYvnbMNkAivu861UhdneyOcmNMhZ3G0QW	а	2021-07-28 11:04:37	2021-07-28 11:04:37
39	3	arvine justine	dimaano	arvinejustine2102@gmail.com	2020-00039-tg-0	\$2y\$10\$f5wDU9BCY1dG1uJnaAZ.QufTjT3lZVG3XvGe9GkeSUX	a	2021-07-28 11:10:00	2021-07-28 11:10:00
40	3	theresa mariane	espejo	theresamariane@gmail.com	2020-00173-tg-0	\$2y\$10\$EnLD8.JEeRiPGNcRuqwjduUdt1XNxL7o0zZHjvlZ.i2	а	2021-07-28 11:12:02	2021-07-28 11:12:02
41	3	kyle hebryl	evangelista	evangelistakyle18@gmail.com	2020-00179-tg-0	$\label{local-prop} $2y$10$ZzSkTcUKsHOqK.kLwMD6OeO1gQMeGIrRRCaA9codLNZ$	a	2021-07-28 11:13:32	2021-07-28 11:13:32

Figure 56. rfeis_year_level

id	year	description	status	created_at	updated_at	deleted_at
1	1st year	1st year	а	2021-05-13 09:11:04	0000-00-00 00:00:00	0000-00-00 00:00:00
2	2nd year	2nd year	а	2021-05-13 09:11:15	0000-00-00 00:00:00	0000-00-00 00:00:00
3	3rd year	3rd year	а	2021-05-13 09:11:27	0000-00-00 00:00:00	0000-00-00 00:00:00
4	4th year	4th year	а	2021-05-13 09:11:41	0000-00-00 00:00:00	0000-00-00 00:00:00
5	5th year	5th year	а	2021-05-13 09:11:57	0000-00-00 00:00:00	0000-00-00 00:00:00
6	Freshmans	first year	d	2021-06-22 08:13:16	2021-06-22 09:05:25	2021-06-22 09:05:25