

COLLEGE OF COMPUTER AND INFORMATION SCIENCE

Academic Year 2024-2025

CS199F (CS PRACTICUM) NARRATIVE REPORT

Submitted by:
Rivas, Rosmond Ralph Q.

Practicum Adviser:
Professor Michael James F. Gnilo

Submitted to:
Professor Jonalyn G. Ebron

Submitted to the Faculty of Mapua Malayan Colleges Laguna
In Partial Fulfillment of the Requirements for the Degree of
Bachelor of Science in Computer Science

Overview of the Practicum Engagement

Company Overview



iNeed Solution Inc. is a software development company specializing in the design and implementation of parking management solutions. Their core service revolves around creating parking software that streamlines operations for businesses by identifying inefficiencies, safety concerns, and opportunities for improvement through a free system assessment. In addition to developing customized software, iNeed Solution Inc. also provides system installation services, including the setup of electro-mechanical barriers, POS systems, and various network-connected configurations. While I did not have access to their formal mission statement, I observed that they maintain a culture of strict adherence to procedures and deadlines, emphasizing disciplined software engineering practices even in a remote work setting.

Nature of Assignments or Tasks Given

My practicum at iNeed Solution Inc. was structured in two major phases that balanced both training and project implementation.

The first phase was designed to build familiarity with the company's technology stack and development practices. During this period, I worked on a series of practice tasks focused on backend development using C# and ASP.NET, mobile development using Flutter and Dart, and database management with MongoDB. These exercises were intended to prepare us for the final project by strengthening our technical foundation.

Tasks were assigned through MS Teams, often on a near-daily basis. For simpler exercises, deadlines were typically one day, while more complex tasks had timelines of two to three days. To demonstrate our solutions, we were required to upload our source code to shared Google Drive folders along with video explanations that showcased how our code worked and addressed the problem at hand. This approach not only reinforced my understanding of the technical aspects but also developed my ability to explain and justify my work clearly, an essential skill in professional software engineering.

In the second phase, we shifted to collaborative development of a full parking reservation system. Our batch of around fifteen students was divided into small groups, usually with two members each, with each group responsible for a specific module. I led the development of the

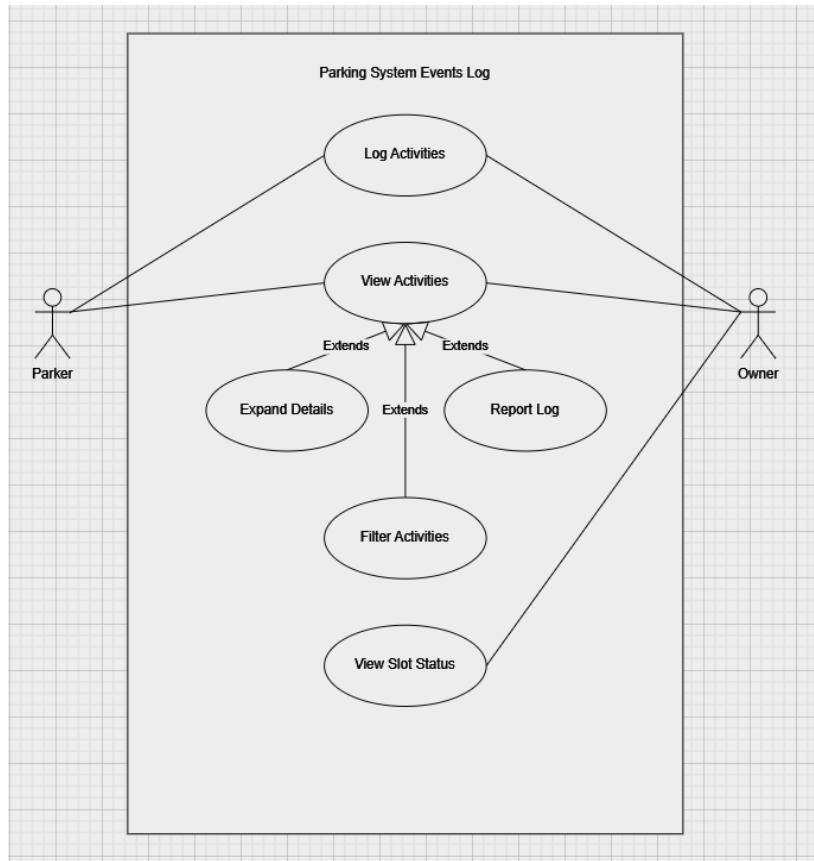
logging module, which served as a cross-cutting service that recorded significant events occurring across other modules in the system.

This task required me to understand the functionality of other modules in order to integrate logging calls appropriately. I designed the logger to store structured, payload-like JSON documents in MongoDB, ensuring flexibility for various types of events. Security was an important consideration: I identified and resolved a potential privacy issue by avoiding the use of email addresses as identifiers in logs, since changes to user emails could have exposed data belonging to other users. This experience emphasized the importance of anticipating edge cases and protecting user data even in system-internal features.

Total Hours Rendered

I completed a total of 437 hours during my practicum engagement. Approximately 180 hours were spent on foundational practice and training in C#, ASP.NET, and related tooling, including about one week dedicated to Flutter and Dart for Android development. I also spent around two weeks designing and refining our module's architecture in draw.io, ensuring alignment with other teams' designs. The remainder of the hours was dedicated to implementing, testing, and integrating the logging module into the larger system. My testing workflow primarily involved Insomnia for simulating API requests to validate logging behavior and payload structures. By the end of the practicum, I had delivered a fully functional logging system that recorded actions across modules in MongoDB, with a flexible JSON-based payload for extensibility.

Presentation of Output



The use case diagram indicates that both parker and owner have their activities monitored and logged. They can access and read logs that belong to them, as well as filter and report them. Lastly, the owner could also view their slot status.

```
1@ 1 using System.Threading.Tasks;
2 2 namespace G9000_API.Utilities
3 3 {
4 4     public interface IUtilLog
5 5     {
6 6         // 4 references
7 7         Task LogEventAsync(string userId, string eventId, string description, string? ipAddress = null);
8 8         Task LogAnonymousEventAsync(string email, string eventId, string description, string? ipAddress = null);
9 9         Task LogEventWithPayloadAsync(string userId, string eventId, string description, object payload, string? ipAddress = null);
10 10         Task<List<Log>> GetLogsAsync(string? userId, string? category, int page, int pageSize);
11 11         Task<Log?> GetLogByIdAsync(string? userId, string logId);
12 12     }
13 13 }
14 14 }
```

Here is the interface of the logs. It logs events associated with a user ID when the user is known. Otherwise, an anonymous event will be logged. Because email is easily changed, I decided to log them anonymously.

I also learned at this point to create interfaces acting as a middleman when using their methods. This way, it is easier to change the implementation in the future.

```

4 references
public async Task LogEventAsync(string userId, string eventId, string description, string? ipAddress = null)
{
    var log = new Log
    {
        UserId = userId,
        EventId = eventId,
        EventCategory = Log.GetCategoryById(eventId),
        Description = description,
        IpAddress = ipAddress
    };

    await _logCollection.InsertOneAsync(log);
}

3 references
public async Task LogAnonymousEventAsync(string email, string eventId, string description, string? ipAddress = null)
{
    var log = new Log
    {
        Email = email,
        EventId = eventId,
        EventCategory = Log.GetCategoryById(eventId),
        Description = description,
        IpAddress = ipAddress
    };

    await _logCollection.InsertOneAsync(log);
}

```

Anonymous and non-anonymous logs act the same but they either take a user ID or an email as an identifier respectively. Their last lines call a MongoDB function to insert data.

```

12 references
public async Task LogEventWithPayloadAsync(string userId, string eventId, string description, object payload, string? ipAddress = null)
{
    var payloadJson = JsonSerializer.Serialize(payload);

    var log = new Log
    {
        UserId = userId,
        EventId = eventId,
        EventCategory = Log.GetCategoryById(eventId),
        Description = description,
        PayloadJson = payloadJson,
        IpAddress = ipAddress
    };

    await _logCollection.InsertOneAsync(log);
}

```

There are instances when an event has lots of data like updating parking site details. This group of data is crucial to log what was created new at the time, so I used a function that loads this group of data into one C# object as a payload.

```

2 references
public async Task<List<Log>> GetLogsAsync(string? userId, string? category, int page, int pageSize)
{
    // Review these later

    if (string.IsNullOrEmpty(userId))
    {
        throw new InvalidOperationException("UserId is required to fetch logs.");
    }

    var filter = Builders<Log>.Filter.Eq(l => l.UserId, userId);

    if (!string.IsNullOrEmpty(category))
    {
        filter = Builders<Log>.Filter.And(
            filter,
            Builders<Log>.Filter.Eq(l => l.EventCategory, category)
        );
    }

    return await _logCollection
        .Find(filter)
        .Skip((page - 1) * pageSize)
        .Limit(pageSize)
        .ToListAsync();
}

```

Here is a function that retrieves all logs associated with a given user ID. These logs can be further filtered by giving a category, page, and page size.

```

2 references
public async Task<Log?> GetLogByIdAsync(string? userId, string logId)
{
    var filter = Builders<Log>.Filter.And(
        Builders<Log>.Filter.Eq(l => l.Id, logId),
        Builders<Log>.Filter.Eq(l => l.UserId, userId)
    );

    return await _logCollection.Find(filter).FirstOrDefaultAsync();
}

```

Similarly, once the user is logged in, they can get one specific log by providing their identity and log ID.

```
[HttpPost("login")]
0 references
public async Task<ActionResult<AccountLoginResult?>> AuthenticateUser(AccountLogin account)
{
    var user = await _utilsAccountNo_OwnerApp.AuthenticateUser(account.LoginName, account.LoginPassword);
    if (user is null)
    {
        await _utilLogService.LogAnonymousEventAsync(
            account.LoginName,
            "1002",
            "User Account Activity",
            HttpContext.Connection.RemoteIpAddress?.ToString()
        );
        return BadRequest("Invalid Credentials");
    }
    await _utilLogService.LogEventAsync(
        user.AccountNo!,
        "1001",
        "User Account Activity",
        HttpContext.Connection.RemoteIpAddress?.ToString()
    );
    return Ok(user);
}
```

Here is a sample usage of the functions I discussed. The login endpoint either succeeds or fails, and each of these events is logged. On login failure, since we are not sure to whom the email belongs to, we log it anonymously.

Moreover, the log retrieval functions are called in our own endpoint.

```
[HttpGet("activity")]
0 references
public async Task<IActionResult> GetLogs([FromQuery] LogFilterQuery query)
{
    var userId = User.FindFirst("name")?.Value
        ?? User.FindFirst(ClaimTypes.Name)?.Value;

    if (string.IsNullOrEmpty(userId))
        return Unauthorized();

    var logs = await _utilLogService.GetLogsAsync(userId, query.Category, query.Page, query.PageSize);
    return Ok(logs);
}
```

Log retrieval for a user occurs here.

```
[HttpGet("activity/{id}")]
0 references
public async Task<IActionResult> GetLogById([FromRoute] string id)
{
    var userId = User.FindFirst("name")?.Value
        ?? User.FindFirst(ClaimTypes.Name)?.Value;

    if (string.IsNullOrEmpty(userId))
        return Unauthorized();

    var log = await _utilLogService.GetLogByIdAsync(userId, id);
    if (log == null)
        return NotFound();

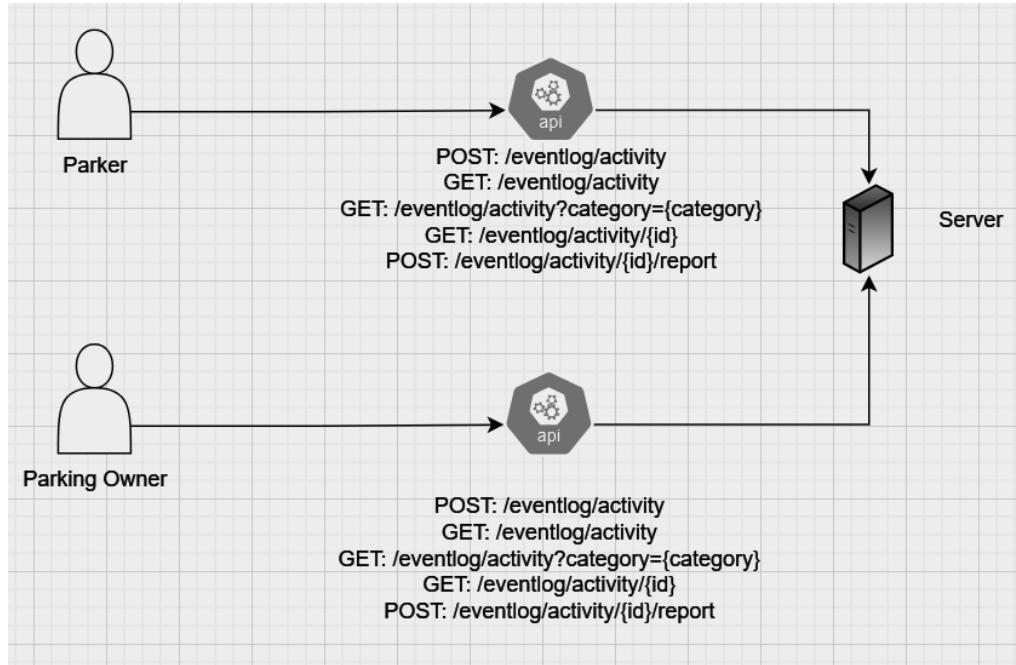
    return Ok(log);
}
```

While a specific log retrieval is done here.

```
[HttpPost("report")]
0 references
public IActionResult ReportLog([FromBody] ReportLogRequest request)
{
    // NOTE: In future, save report to DB instead of console
    Console.WriteLine($"User reported log {request.LogId} with reason: {request.Reason}");

    return Ok(new { message = "Report received" });
}
```

Here the user can report to the admin if they saw something suspicious from their logs. On the other side, the admin has a view of all logs including anonymous logs.



These are the endpoints for the parker and the parking owner. Notice that there has been no mention of POST requests from the earlier. This is because it has been removed since logs are automatically being made in their respective modules. Also notice that the endpoints are similar to both parker and parking owner.

Additionally, the GET request for filtering the results via category has been added as optional query parameters to the GET request of log activities.

```
{
  "id": "5d09f474-57fc-4827-8d34-8535c7fe15b7",
  "userId": "8527240479504647",
  "email": null,
  "eventId": "1000",
  "eventCategory": "Registered Account",
  "description": "User Account Activity",
  "payloadJson": null,
  "ipAddress": "127.0.0.1",
  "timestamp": "2025-07-10T03:00:26.138Z"
},
{
  "id": "236a70ab-4635-48ff-9c84-8992785ef815",
  "userId": "8527240479504647",
  "email": null,
  "eventId": "1001",
  "eventCategory": "Successful Login",
  "description": "User Account Activity",
  "payloadJson": null,
  "ipAddress": "127.0.0.1",
  "timestamp": "2025-07-10T03:00:53.408Z"
}
}
```

This is the sample of results when making the GET request for a list of logs. Each log is identified by a user ID which is autogenerated to be unique to each user upon registration. Usage of email as an identifier is limited to logs that are anonymous and are to be only accessed by the admin.

The screenshot shows a REST API interface with two main sections: 'URL PREVIEW' and 'Preview'.

URL PREVIEW: http://localhost:5107/api/eventlog/activity/ef4dee9a-a947-44e4-9223-7e484673f76f?category=&page=&pageSize=

QUERY PARAMETERS:

- + Add
- Delete all
- Import from URL
- Bulk Edit
- Description

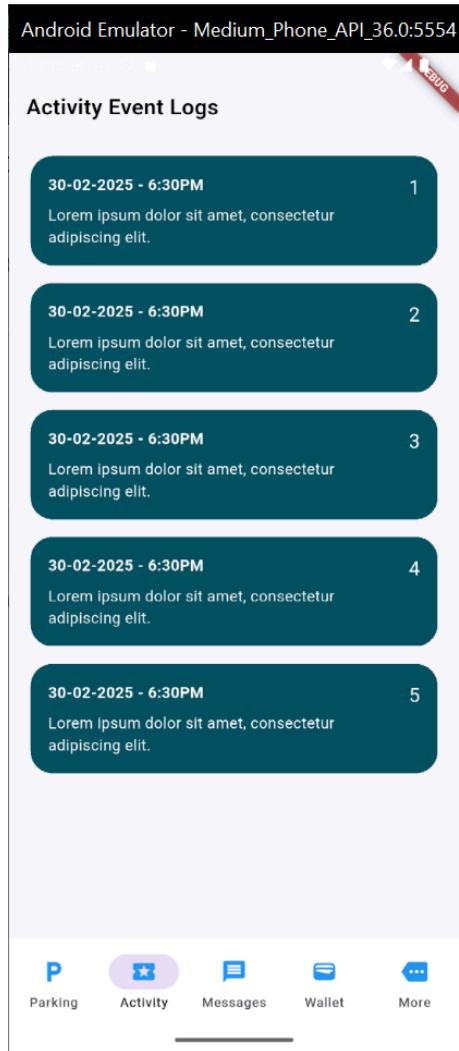
category	value	checkbox	trash
page	value	checkbox	trash
pageSize	value	checkbox	trash

Preview:

```

1  {
2   "id": "ef4dee9a-a947-44e4-9223-7e484673f76f",
3   "userId": "8527240479504647",
4   "email": null,
5   "eventId": "1012",
6   "eventCategory": "Parking Site Details Updated",
7   "description": "Parking Site details updated.",
8   "payloadJson": "{\"Parking_Site_Name\":\"Lamp Shade\", \"Parking_Site_Address\":\"Table Street\"}",
9   "ipAddress": "127.0.0.1",
10  "timestamp": "2025-07-10T03:01:08.692Z"
11 }
```

This is the result of making a GET request of a specific user ID. Notice that this log has a payload JSON tracking which details from a MongoDB collection have been changed, in this case the parking site details and its address. Also notice that this GET request has query parameters to customize the amount of logs to be received.



This is the UI in our app. I did not do this. My coworker did it following the code design I did in draw.io. This page fetches all logs related to the currently signed in user. Upon clicking a log, its details will be expanded allowing the user to view its complete log event information.

Synthesis of the Practicum Engagement

Learnings

The practicum at iNeed Solution Inc. was a comprehensive learning experience that strengthened both my technical and professional abilities. Technically, I became more confident in C# and ASP.NET for backend development, particularly in structuring API endpoints and enforcing security best practices. For example, the challenge of avoiding email identifiers in logs taught me the importance of anticipating how small design decisions can create security or privacy vulnerabilities if overlooked.

I also improved my debugging skills substantially. I remember one instance where I encountered a persistent bug in which a function unexpectedly returned null. Using Visual Studio's breakpoints, I learned to step through the code systematically, observing variable states until I found the root cause. This methodical approach to debugging is something I will carry forward in all future projects.

Beyond backend development, the training also exposed me to Flutter and Dart, allowing me to build basic Android applications and appreciate the nuances of cross-platform mobile development. Even though my final module was server-side, this broadened my perspective on full-stack design and the importance of coordinating front-end and back-end needs.

Professionally, I learned to communicate effectively in a remote team setting. Regular meetings on Tuesdays and Fridays during the initial two months gave us structured opportunities to ask questions, learn how the codebase worked, and get feedback. My supervisor was especially helpful in correcting misunderstandings and emphasizing the need for precision in professional communication, such as the proper use of business terms.

Collaboration with other students also taught me to appreciate the role of version control and documentation tools like GitHub and draw.io in coordinating work across distributed teams.

Realizations

The practicum experience gave me several personal insights and realizations about my readiness for the software development industry. One of the achievements I am most proud of is delivering a robust, flexible, and bug-free logging module. Designing a cross-cutting service that integrates with multiple other modules challenged me to consider how software components depend on each other and the need for clear interfaces and consistent data structures. It was rewarding to see my module record and store events in a structured, extensible way that could support many future use cases.

Another realization came from my work with SignalR. Although I managed to build a simple chat application during practice, I recognized that real-world chat systems are complex, and I do not yet feel ready to develop them at an industry level. This experience was humbling, highlighting that mastering new technologies requires not just surface-level familiarity but deep engagement with documentation, patterns, and best practices.

On a personal level, I also became aware of my tendency to feel anxious when assigned new tasks—even with generous deadlines. This anxiety sometimes persisted until the task was completed, affecting my focus and efficiency. While I did well on modules where I already knew the tools, I found it more difficult to stay motivated when facing unfamiliar technologies. I realized that overcoming this will be essential for my growth, since a career in software development demands lifelong learning and the confidence to tackle new challenges.

Conclusion

Overall, my practicum at iNeed Solution Inc. was a highly valuable experience that provided me with realistic exposure to the expectations and workflows of a professional software development environment. It strengthened my technical abilities in backend development, API design, debugging, and integration with databases like MongoDB. It also broadened my understanding of collaboration tools such as GitHub, draw.io, and MS Teams, all of which are essential for working effectively in distributed teams.

Most importantly, it gave me an honest assessment of both my strengths and my areas for improvement. I learned the importance of security-aware design, effective problem-solving, and clear communication, while also realizing that I need to better manage my anxiety and maintain the motivation to learn new technologies.

This practicum has equipped me with a solid foundation for pursuing a career in software development, giving me the confidence that I can contribute to real-world projects while also reminding me that there is always room to grow and improve. I am grateful for the experience and the guidance provided by my supervisor and peers, and I look forward to building on these lessons in my future professional journey.

Appendices

1.0 Competency-Based CV

ROSSMOND RALPH Q. RIVAS

Email: rossmondralph@gmail.com | rrrivas@live.mcl.edu.ph

Phone: (+63) 946 037 1316

GitHub: <https://github.com/rivas-rossmondralph>

Summary

Computer science student with four years of academic experience at Mapúa Malayan Colleges Laguna. Looking to gain work experience in the field of data analytics to identify data trends and insights. Skilled in various programming languages.

Education

BS in Computer Science, Mapúa Malayan Colleges Laguna,

Expected Graduation: 2025

High School Diploma, Pamantasan ng Cabuyao, 2019

Skills

Programming Languages: Python, C, C#, Ruby, PHP, Lua

Databases: SQL, SQLite, MySQL

Tools: Excel, Godot, XAMPP, Git, PowerShell, Unity, Power BI

Classes: Software Engineering, Operating Systems

Portfolio Projects

ano.c

SQLite was used to facilitate CRUD functionalities for this offline terminal program written in C.

ano.c is a record of items and their prices in a small store.

Technologies: C, SQL, Makefile

ano.py

A Python version of ano.c providing the same CRUD functionalities.

Technologies: Python, SQL

Image Hosting Site

Created an API with PHP to serve images to an HTML frontend which also uses MySQL to keep track of image ownership.

A web app that uses PHP to provide image hosting services to multiple users.

Technologies: PHP, SQL, HTML

Istorya Adventure

Helped program power ups and do bug testing.

Istorya Adventure is a game based learning mobile game that teaches Filipino history to elementary students.

Technology: Unity, C#

Tap Mosquito

Implemented features like save files, scene changing, achievements, simple animations and sound design to enhance gameplay.

Tap Mosquito is a simple game where the player taps all incoming mosquitoes.

Technology: Godot

Simple Ruby Calculator

Implemented stacks to transform infix notation into postfix which is then calculated.

A simple terminal calculator that understands infix notation and follows MDAS.

Technologies: Ruby

Color Game

Basic programming concepts like random integers, lists, and dictionaries were used in Python to make a color game which tracks the player's coins and chosen colors. Tkinter was used for the GUI.

A color game where the player bets on a randomly chosen color.

Technologies: Python

Terminal Hangman

Implemented game loops, save file, and an image renderer in C# to make Hangman in the terminal without using a dedicated game engine.

Hangman is a game where the player has limited attempts to guess a word.

Technologies: C#, JSON

2.0 Endorsement Letter



14 June 2025

MS. DHALIA CARDINES

iNeed Solution Inc.

2nd Floor, Wyce Business Center 9599 Kamagong
Barangay San Antonio Makati City 1203, Philippines

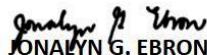
Dear Ms. Cardines,

The BS Computer Science program of Mapúa Malayan Colleges Laguna requires their students to undergo a Practicum program for a minimum of 324 hours during the third term of our academic calendar.

We would like to request that Mr. Rosmond Ralph Q. Rivas be permitted to have his training in your company. We believe that your company can provide the relevant exposure necessary for our students to achieve the intended learning outcomes for the BS Computer Science program. We are confident that he will be able to acquire the practical knowledge and skills expected from a Computer Science graduate which, in turn, would guarantee a continuous supply of CS professionals needed by your company.

We thank you for your favorable action and we look forward to a more meaningful linkage that is mutually beneficial to our students and your company.

With warm regards,


JONALYN G. EBON

BS Computer Science Program Chair
College of Computer and Information Science
Mapúa Malayan Colleges Laguna

jgberon@mcl.edu.ph
(049) 832-4076

3.0 Practicum Acceptance



MAPUA
MALAYAN COLLEGES
LAGUNA

REVISION DATE: May 10, 2016

PRACTICUM CONFIRMATION AND ACCEPTANCE FORM

IMPORTANT INFORMATION

- STUDENTS ACCEPTED FOR PRACTICUM IN A HOST COMPANY WILL HAVE TO ACCOMPLISH THIS FORM.
- ASK THE PRACTICUM SUPERVISOR/ COMPANY REPRESENTATIVE TO FILL IN THE DETAILS OF THE TRAINING.
- SUBMIT TO THE PRACTICUM ADVISER/COORDINATOR PRIOR TO THE START OF TRAINING.

NAME OF STUDENT	Rosmond Ralph Q. Rivas	STUDENT NUMBER	2020155922
COURSE CODE	CS199F	SY/TERM ENROLLED	3rd term/2024-2025

This is to certify that Rosmond Ralph Q. Rivas (name of student-trainee) has been accepted for practicum at iNeed Solution Inc. (name and address of establishment) and will be attached to the Engineering department/s for a minimum of, but not limited to 324 hours. Training will commence on April 22, 2025 and is expected to end on June 25, 2025. Attached is the list of requirements.

COMPANY REPRESENTATIVE

Dhalia T. Cardines

Signature over Printed Name

Engineering Department

Department

Admin

Official Designation

admin@ineed.com.ph / 0917-771-7275

Email and Contact Number/s

NOTED BY

Jonylyn E. Esmer

04/29/2025

Date

Signature over printed name of Practicum Coordinator

FORM OVPAA 030B

THIS FORM IS AVAILABLE AT THE OVPAA.

REVISION NO.: 00
REVISION DATE: May 10, 2016



MAPUA
MALAYAN COLLEGES
LAGUNA

PRACTICUM CONFIRMATION AND ACCEPTANCE FORM

IMPORTANT INFORMATION

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COMPANY REPRESENTATIVE

Dhalia T. Cardines

Signature over Printed Name

Engineering Department

Department

Admin

Official Designation

admin@ineed.com.ph / 0917-771-7275

Email and Contact Number/s

NOTED BY

Jonylyn E. Esmer

04/29/2025

Date

Signature over printed name of Practicum Coordinator

FORM OVPAA 030B

COPY: (1) STUDENT; (2) HOST COMPANY; (3) PRACTICUM COORDINATOR

4.0 Liability Waiver



MAPUA
MALAYAN COLLEGES
LAGUNA

REVISION NO.: 00
REVISION DATE: May 10, 2016

STUDENT TRAINING AGREEMENT AND LIABILITY WAIVER

IMPORTANT INFORMATION

- THIS FORM IS TO BE ACCOMPLISHED AND SUBMITTED BY STUDENT TRAINEE TO THE PRACTICUM ADVISER BEFORE STARTING THE PRACTICUM.
- READ AND UNDERSTAND THE PROVISIONS OF THIS AGREEMENT AND WAIVER.
- ENSURE THAT ALL SIGNATORIES SIGN THE FORM.

I, Rosmond Ralph Q. Rivas _____, and a student of MALAYAN COLLEGES LAGUNA (hereinafter referred to as "MCL"), do hereby voluntarily undergo on-the-job training at iNeed Solution Inc. _____, hereinafter referred to as the "Host Company", located at 2nd Floor Wycce Business Center 9599, Kamagong Street Barangay San Antonio, Makati City _____, under the following terms and conditions:

a. That the practicum training will commence on April 22, 2025 and ends on June 25, 2025 and will have to complete a minimum of 324 hours required for the on-the-job training;

b. That I shall observe proper decorum and act professionally at all times and abide by the Company's rules and regulations and comply with those imposed for the training program, otherwise, I shall be excluded from further participation;

c. That in the course of my training program, I may have access to information which may be of confidential in nature and proprietary to the Company, for which I may be required to execute a confidentiality and non-disclosure agreement as a prerequisite to my participation in the training program;

d. That the time I will spend on the training program in the completion of my on-the-job training requirements will not and should not be interpreted or construed as working hours and should be regarded as non-compensable. Provided that, the Company may, as a unilateral act of liberality or generosity on their part, provide me with meal, travel, transportation allowances, accommodations, etc.;

e. That I fully understand that notwithstanding the allowances enumerated in the preceding section which I may receive, there exists no labor-management and/or employer/employee relationship between me and the Company where I will undergo my training;

f. That I shall exercise due care and diligence in the tasks assigned to me and personally be made answerable for any and all liabilities for damage to property or injury to third person, which may be occasioned by my intentional or negligent acts during the course of my on-the-job training;

g. That I shall likewise hold the Host Company and MCL free and harmless from any and all liability and responsibility for any sickness or injury to myself and third parties and damage to property which I may sustain and/or may occur at any time during the training program, including time spent in traveling to and from any and all premises and locations where I may be required to go to as part of my training program;

h. That the Company reserves the right to discontinue my training on reasonable grounds upon written notice to MCL and myself. Additionally, in the event my training program is discontinued for reasons attributable only to myself, I may be made to reimburse the Host Company for any/all the allowances, stipends, etc., which I may have received from them during and prior to the termination of my training program;

i. That in addition to my liability under section g and for the pre-termination of my training program provided for under section h hereof, I may be subjected further to disciplinary action in accordance with the school's student manual and/or be a ground for disqualification from graduation;

Signed on this 22nd day of April 2025.

Rosmond Ralph Q. Rivas
Signature over printed name of Student Trainee

WITH OUR CONSENT:

Signature over printed name of Parent/Guardian
(for minors only)

NOTED BY:

Printed Name and Signature of Practicum Adviser/ Coordinator
y/25/25

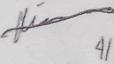
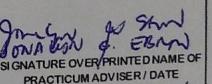
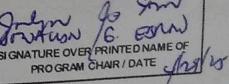
Dhalia T. Cardines / iNeed Solution Inc.
Printed Name and Signature of Host Company Representative

COPY: (1) STUDENT; (2) HOST COMPANY; (3) PRACTICUM ADVISER; (4) PRACTICUM COORDINATOR

FORM OVPA 030C

THIS FORM IS AVAILABLE AT THE OVPA.

5.0 Training Plan

 MAPUA MALAYAN COLLEGES LAGUNA		REVISION NO.: 00 REVISION DATE: May 10, 2016						
TRAINING PLAN								
NAME: Rosmond Ralph Q. Rivas PROGRAM & STUDENT NO.: CS / 2020155922		COURSE CODE: CS199F COURSE TITLE: CS PRACTICUM						
STUDENT OUTCOMES <p>CO1. Identify, analyze, and recommend solution to the computing problem being faced by the organization.</p> <p>CO2. Apply the different concepts in Computer Science in dealing with the problem-solving process of the organization, and</p> <p>CO3. Acquire new knowledge and experience while in the organization.</p>								
AREAS / PHASES OF TRAINING AND TIME ALLOTMENT <p>Foundational Training - 180 hours Applied Training - 144 hours</p>								
EVALUATION GUIDELINES & COURSE OUTCOMES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">DEMONSTRATION OF SOFT SKILLS (40%)</th> <th style="width: 50%;">DEMONSTRATION OF TECHNICAL SKILLS (60%)</th> </tr> </thead> <tbody> <tr> <td> KEY AREAS <ul style="list-style-type: none"> COMMUNICATION SKILLS (20%) <ul style="list-style-type: none"> Relate to co-trainees/supervisors terminologies and rules Recite procedures and instructions needed for the tasks Identify and describe safety signs and symbols Ask critical questions related to the tasks Produce well-written regular and incident reports Prepares and presents reports using Information and Communication Technology (ICT) PROFESSIONAL DEPORTMENT (20%) <ul style="list-style-type: none"> Observes proper grooming and attire Reports to work regularly on time and as necessary, even beyond prescribed working hour Acts according to the job description given by the company Willing to accept new tasks apart from the usual routine and responsibilities Delivers quality output on time Demonstrates respect for different individuals INITIATIVE (+5%) <ul style="list-style-type: none"> Volunteers to perform tasks beyond routine tasks </td> <td> KEY AREAS <ul style="list-style-type: none"> Technical Skills (35%) <ul style="list-style-type: none"> Coding skills (18%) - Can write clean, efficient C# code. - Can use object-oriented programming principles. - Can deliver code on time. Debugging and Problem-Solving (12%) - Can debug and resolve issues efficiently. - Can provide a solution to the given problem. Documentation and Code Clarity (5%) - Writes clear documentation. Planning and Skills Development (25%) <ul style="list-style-type: none"> Can adapt to new emerging technology and apply it in workplace frameworks. (20%) Can explain code and logic in an understandable way. (5%) Final Project <ul style="list-style-type: none"> - API Services - Mobile App </td> </tr> </tbody> </table>					DEMONSTRATION OF SOFT SKILLS (40%)	DEMONSTRATION OF TECHNICAL SKILLS (60%)	KEY AREAS <ul style="list-style-type: none"> COMMUNICATION SKILLS (20%) <ul style="list-style-type: none"> Relate to co-trainees/supervisors terminologies and rules Recite procedures and instructions needed for the tasks Identify and describe safety signs and symbols Ask critical questions related to the tasks Produce well-written regular and incident reports Prepares and presents reports using Information and Communication Technology (ICT) PROFESSIONAL DEPORTMENT (20%) <ul style="list-style-type: none"> Observes proper grooming and attire Reports to work regularly on time and as necessary, even beyond prescribed working hour Acts according to the job description given by the company Willing to accept new tasks apart from the usual routine and responsibilities Delivers quality output on time Demonstrates respect for different individuals INITIATIVE (+5%) <ul style="list-style-type: none"> Volunteers to perform tasks beyond routine tasks 	KEY AREAS <ul style="list-style-type: none"> Technical Skills (35%) <ul style="list-style-type: none"> Coding skills (18%) - Can write clean, efficient C# code. - Can use object-oriented programming principles. - Can deliver code on time. Debugging and Problem-Solving (12%) - Can debug and resolve issues efficiently. - Can provide a solution to the given problem. Documentation and Code Clarity (5%) - Writes clear documentation. Planning and Skills Development (25%) <ul style="list-style-type: none"> Can adapt to new emerging technology and apply it in workplace frameworks. (20%) Can explain code and logic in an understandable way. (5%) Final Project <ul style="list-style-type: none"> - API Services - Mobile App
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CONFORME  4/29/23 Rosmond Ralph Q. Rivas SIGNATURE OVER PRINTED NAME OF STUDENT / DATE	CONSENT (FOR MINORS ONLY) SIGNATURE OVER PRINTED NAME OF PARENT OR GUARDIAN / DATE	NOTED BY  28 April 2025 Jonarc Cardines SIGNATURE OVER PRINTED NAME OF PRACTICUM SUPERVISOR / DATE	ENDORSED BY  SIGNATURE OVER PRINTED NAME OF PRACTICUM ADVISER / DATE	APPROVED BY  SIGNATURE OVER PRINTED NAME OF PROGRAM CHAIR / DATE				
<small>COPIY: (1) STUDENT; (2) HOST COMPANY; (3) PRACTICUM COORDINATOR</small>								
FORM OVPAA-030D <small>THIS FORM IS AVAILABLE AT THE OVPAA.</small>								

6.0 Timesheet

Date	TimeIN	TimeOUT	Number of Hours	Day work Summary
Tuesday, April 22, 2025	1:00:00 PM	5:00:00 PM	4:00	<ul style="list-style-type: none"> 1. Reviewed C# basics. 2. Got homework of printing triangles based on user input. 3. Learned how to use lists, dictionaries, and arrays in C#.
Wednesday, April 23, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Finished homework of printing triangles based on user input. 2. Got a new task of creating read and write functions in a console application. 3. Learned the File class and implemented write and read functions in a program.
Thursday, April 24, 2025	1:00 PM	5:00 PM	4:00	<ul style="list-style-type: none"> 1. Learned how to use the Task Scheduler. 2. Used the Task Scheduler to run a C# console app, which logs in the current time, every hour. 3. Found out the difference between the File class and the StreamWriter class in terms of writing to a file.
Friday, April 25, 2025	8:02 AM	5:02 PM	9:00	<ul style="list-style-type: none"> 1. Reviewed OOP of C#.
Monday, April 28, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Made a CSV reader and writer, similar to the previous task of reading and writing to file. 2. Learned how to use SmtpClient and MailMessage. 3. Automated sending of Gmail messages through task scheduler.
Tuesday, April 29, 2025	1:00 PM	5:00 PM	4:00	<ul style="list-style-type: none"> 1. Implemented interfaces. 2. Learned MongoDB basics.
Wednesday, April 30, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Created a CRUD console app with MongoDB and C#. 2. Can now separate the logic and user interface of the program. 3. Installed a local MongoDB server and MongoDB Compass.
Friday, May 2, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Tasked to work on a registration/signin console app. 2. Created a flow diagram of the registration action of the user. 3. Used a hashing function to hash the password before saving it to the database.
Monday, May 5, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Finished the registration/signin console app. 2. Tasked to make a simple API for various modeled classes. 3. Simple API I created now works. 4. Created a video presentation for the registration/signin console app.
Tuesday, May 6, 2025	1:00 PM	5:00 PM	4:00	<ul style="list-style-type: none"> 1. Finished the simple API task. 2. Learned how to write Dart. 3. Learned what LINQ is and how to use them.
Wednesday, May 7, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Reused old code from previous task to be used an API. 2. Split the project according to template: model, view, and controller. 3. Finished user registration. Stopped working at verifying user registration.
Thursday, May 8, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Created an API that lets users upload pictures. 2. Created an API that lets users upload CSV files. 3. Finally finished the user registration task. 4. Mildly became familiar with the MVC model.
Friday, May 9, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Finished restructuring the API so that it is split between interfaces and implementations. 2. Added the upload CSV and upload picture functionalities to the main registration app.
Tuesday, May 13, 2025	1:00 PM	5:00 PM	4:00	<ul style="list-style-type: none"> 1. Made a messenger app with Blazor and SignalR. 2. Made a console app that acts like a client connected to the messenger app.
Wednesday, May 14, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Set up Flutter dev environment. 2. Installed Android Studio. 3. Started learning Flutter (I still do not understand it today.)
Thursday, May 15, 2025	1:00 PM	5:00 PM	4:00	<ul style="list-style-type: none"> 1. Learned Figma. 2. Created wireframe UI of a car parking reservation app. 3. Created work flow diagram for the app. 4. Put a task on hold, will do the task tomorrow.
Friday, May 16, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Made a Flutter app that has some widgets in a single page. 2. Made a Flutter app that uses a bottom navigation button that makes page switching possible.
Monday, May 19, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Hosted task 13's web API and email OTP sender in IIS.
Tuesday, May 20, 2025	1:00 PM	5:00 PM	4:00	<ul style="list-style-type: none"> 1. Created a Flutter app that consumes the registration API from the IIS.
Wednesday, May 21, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Made a Flutter app that can chat with the SignalR chat app I wrote in C#.
Thursday, May 22, 2025	1:00 PM	5:00 PM	4:00	<ul style="list-style-type: none"> 1. Made a Windows forms app that could communicate with the Blazor server web app. 2. Used SignalR client in the client forms app.
Friday, May 23, 2025	8:25 AM	5:25 PM	9:00	<ul style="list-style-type: none"> 1. Used JWT for authorization. 2. Might put a password on the database so that only an admin user can perform CRUD on it.
Monday, May 26, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Created a secure endpoint for editing the user profile in the web API. 2. Started making the Blazor app to connect to the web API.
Tuesday, May 27, 2025	1:00 PM	5:00 PM	4:00	<ul style="list-style-type: none"> 1. Finished making the Blazor app to connect to the web API. 2. Became a lead to one of the module in the group project.
Wednesday, May 28, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Discussion on an NDA subject. The subject is about a car parking reservation system.
Thursday, May 29, 2025	1:00 PM	5:00 PM	4:00	<ul style="list-style-type: none"> 1. Submitted task 24 source code and video presentation. 2. Relearned Git and GitHub. Learned how branches and merge works.
Friday, May 30, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Group got assigned to handle app activities and events.
Monday, June 2, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Started reviewing the module we are assigned to.
Tuesday, June 3, 2025	1:00 PM	5:00 PM	4:00	<ul style="list-style-type: none"> 1. I cloned the GitHub projects on my computer. 2. Created user stories for our events module.
Wednesday, June 4, 2025	8:01 AM	5:01 PM	9:00	<ul style="list-style-type: none"> 1. Reviewed C#, Dart, and Git. 2. Waiting instructions from our boss on what to do in the group project.
Thursday, June 5, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Start system design on assigned module.
Monday, June 9, 2025	8:00 AM	5:00 PM	9:00	<ul style="list-style-type: none"> 1. Drafted user stories and use case diagram in draw.io.

Tuesday, June 10, 2025	8:00 AM	5:00 PM	9:00	1. Drafted UI framework.
Wednesday, June 11, 2025	8:00 AM	7:55 PM	11:55	1. Remade user stories, use case diagram, UI wireframe, ERD, and API endpoints. 1. Added an events filter.
Friday, June 13, 2025	8:00 AM	5:00 PM	9:00	1. I started a chapter in our job preparation course required for graduation.
Monday, June 16, 2025	8:00 AM	5:00 PM	9:00	1. I completed a chapter in our job preparation course.
Tuesday, June 17, 2025	1:00 PM	5:00 PM	4:00	1. I completed another chapter in our job preparation course. 2. Waiting for feedback on draw.io .
Wednesday, June 18, 2025	8:00 AM	5:00 PM	9:00	1. I did not join the company dinner. 1. I started another chapter in our job preparation course.
Thursday, June 19, 2025	8:00 AM	5:00 PM	9:00	1. Finalized class diagrams. 2. Preparing a Git branch for the logger module.
Friday, June 20, 2025	8:01 AM	5:05 PM	9:04	1. Created a model class for log entries. 2. Created a logging service that would use the log model to create logs.
Monday, June 23, 2025	8:00 AM	5:00 PM	9:00	1. Created a logger for the owner authentication module. Unfinished. 1. Changed logger service calls to use the interface instead of the implementation.
Tuesday, June 24, 2025	8:00 AM	5:00 PM	9:00	1. Logger logs new events from a module. 2. Started writing the controller for the API endpoint.
Wednesday, June 25, 2025	8:00 AM	5:00 PM	9:00	1. Got asked for progress of Flutter app, I showed no progress (there is no progress). 2. Delegated testing the logging controller to my group.
Thursday, June 26, 2025	8:00 AM	5:00 PM	9:00	1. Delegated starting the Flutter development to my group. 2. Merged latest changes from module 0 to logging branch.
Friday, June 27, 2025	8:00 AM	5:00 PM	9:00	1. Removed endpoint that lets the client generate its own log. 2. Merged changes from module 1 branch. 3. Log events available in module 1 branch.
Monday, June 30, 2025	8:00 AM	5:00 PM	9:00	1. Fixed bug that lets user access logs belonging to their email address that was used on an earlier account. 2. Prevented users from accessing anonymous logs.
Tuesday, July 1, 2025	1:05 PM	5:00 PM	3:55	1. Waiting for a meeting discussing knowledge centered support.
Wednesday, July 2, 2025	8:01 AM	5:01 PM	9:00	1. Merged in-progress code to Git remote-main. 1. I did nothing today.
Thursday, July 3, 2025	8:01 AM	5:05 PM	9:04	1. Gave coworker permission to edit the mobile app to remove errors. 2. Merged code from remote-main.
Friday, July 4, 2025	8:19 AM	5:11 PM	8:52	1. Tried running the mobile app code my coworker did. 2. Finished Wadwhani courses.
Tuesday, July 8, 2025	8:00 AM	5:00 PM	9:00	1. I asked my coworker to merge their work into the main branch.
Wednesday, July 9, 2025	8:00 AM	5:00 PM	9:00	1. I end my training today.
Thursday, July 10, 2025	8:00 AM	5:15 PM	9:15	
Friday, July 11, 2025	8:00 AM	5:01 PM	9:01	
Monday, July 14, 2025	8:00 AM	5:00 PM	9:00	
Tuesday, July 15, 2025	8:00 AM	12:00 PM	4:00	

7.0 Complete Journal



REVISION NO.: 00
REVISION DATE: May 10, 2016

DAILY JOURNAL

IMPORTANT INFORMATION

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC.
- SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS.
- HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	April 22, 2025	AREA ASSIGNMENT	Programming
TASK	C# basics	SHIFT/TIME	1 PM to 5 PM

We are tasked to review the basics of C# through the website of W3Schools.

It was a mildly easy task since I had courses that extensively taught C#.

I still have difficulties understanding object-oriented programming (OOP).

I hope I better understand OOP throughout this training.

Since it was mildly easy, I reviewed two extra subjects: list and dictionaries.

I learned their differences and use cases against arrays.

List and dictionaries can dynamically change their size while arrays are of fixed length.

Today, we were also given an assignment to be submitted on Friday on printing triangles based on the input of the user.

They said it was an easy task, but I'm already nervous.

I will tackle it tomorrow, but I guess it can be easily done with loops and string formatters like in Python.

Rosmond Ralph Q. Rivas

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DATE	April 23, 2025	AREA ASSIGNMENT	Programming
TASK	Triangles, Tree, Read Write Files	SHIFT/TIME	8 PM to 5 PM

It took me at least 3 hours to finish the console app that prints "*" in several triangle-like shapes.

What I have been stuck with is making the program print out a tree-like shape

as I cannot understand how I can align strings to the center in a console app.

For the tree, each line has stars based on the formula of $(2 * \text{line number} - 1)$.

All lines contain an odd number of stars.

To calculate the padding, $(2 * \text{last line number} - 1 - \text{current line length}) / 2$. Dividing by 2 calculates the amount of padding on 1 side.

With the padding calculated, we can now use C#'s PadLeft function.

Today, another task was also given. The task is to write to and read from a file "MYMESSAGE.TXT".

I used the File class to do this. The program writes with AppendAllText, while it reads with ReadAllText.

To avoid errors, the program checks whether the file exists with the Exists method.

I also added a delete functionality with Delete to easily remove the file while testing.

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DATE	April 24, 2025	AREA ASSIGNMENT	Programming
TASK	Task Scheduler	SHIFT/TIME	1 PM to 5 PM

Today the task was to use the task scheduler from Windows to run a C# program that logs in the current time.

The time scheduler would run the program every hour.

I followed a tutorial on how to do the task and I fortunately learned how to use the StreamWriter to write files.

I was confused how to use it yesterday so I used the File class.

But I still find the File class easier for doing read-write activities.

I was also surprised to find out that there is a task scheduler in Windows.

I knew a similar app from Linux called cron, which I used to defrag my disk regularly back then.

I am happy that Windows also has this kind of app.

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DATE	April 25, 2025	AREA ASSIGNMENT	Programming
TASK	Reviewing C# OOP	SHIFT/TIME	8 AM to 5 PM

Not much. I just reviewed how C# is an object-oriented language and how to do so.

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DATE	April 28, 2025	AREA ASSIGNMENT	Programming
TASK	CSV and Automated Email	SHIFT/TIME	8 AM to 5 PM

Today, there was a task of working with a CSV file.

How it was done was similar to the recent task of reading and writing a text file, only this time to a CSV file.

I used split to access the data from the CSV file.

I also created a list of person objects so that they can be interacted with in the program easily.

At the end of the day, I am able to learn how to interact with a CSV file in C#.

After that, we were also tasked to automate an email message.

I was very confused on what to do here at first since I do not know how C# can send an email.

I watched several YouTube tutorials about the topic. Fortunately, I noticed a common pattern.

First, an SmtpClient object is created going to "smtp.gmail.com" and has a port of 587 and EnableSsl as true.

Next, to construct the message, MailMessage is used to input the sender and receiver emails.

MailMessage objects also provide the opportunity to add a CC. Finally, the SmtpClient sends the MailMessage object.

I still have a bit of trouble understanding the email task.

Like how could I make it more secure?

The sender in my program is my work email, and to send messages a password is needed.

The password used is not my main password,

but is there any other way to send an email without hardcoding a password in the project solution?

I hope I find out in the future.

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DATE	April 29, 2025	AREA ASSIGNMENT	Engineering
TASK	C# Interfaces	SHIFT/TIME	1 PM to 5 PM

Today's task was not that difficult. We were tasked to rewrite our first program so that it uses an interface.

Doing so can avoid putting the logic in the main program file. So what I did was just create an interface and the class that implements it.

I then copied all the code under the implementing class.

Along the way, I also got familiar with how to use an abstract class and its potential to enable polymorphism.

All of which the interface also does. I also learned that classes cannot inherit from multiple classes.

This is what interfaces can fix, since a class can inherit from multiple interfaces.

Although the task was easy today, I found the upcoming task tomorrow daunting.

We are tasked to use and learn MongoDB. I don't know anything about it.

We were taught the basics of it and how to set it up, but I still feel uncomfortable dealing with some external third party.

I hope I can at least configure it tomorrow before worrying about how to write queries for it.

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DATE	April 30, 2025	AREA ASSIGNMENT	Engineering
TASK	MongoDB CRUD	SHIFT/TIME	8 AM to 5 PM

Today's task was daunting, I was scared whether I would have gone past the connection settings of a new database.

But I learned a lot, fortunately. So I Googled a lot of how to do CRUD functionalities in MongoDB.

I am lucky that their documentation is easy to read. Most CRUD functionalities can be run with at most 3 lines.

It often consists of two parts. One is the filter, and another the actual CRUD functionality like delete, update, etc.

I am happy that I have some sense on why interfaces matter in C#.

In this task, I was able to separate the MongoDB logic from the often fragile code of user controllers.

What I mean by user controllers is the file full of Console.WriteLine, often fragile since it can be changed spontaneously.

I am glad that no matter what changes I do with the controllers, the logic of MongoDB is safe from their separate space. And vice-versa.

I look forward to working on a similar project.

I now know when to use interfaces and how to decouple my code.

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DATE	May 2, 2025	AREA ASSIGNMENT	Engineering
TASK	User Registration/Signup	SHIFT/TIME	8 AM to 5 PM

I am scared of the task today. We are to create a user registration/login console application.

I am scared because I did not know where to start. Should I start implementing the registration or login logic?

We are also tasked to create a flow diagram of the registration action. So I did that first and got a bare idea of what to do next.

The only thing I'm comfortable understanding today is hashing the password.

Basically, the password the user uses is not saved in the database, but actually a hash produced from it will be the one saved.

So I Googled a hash function and found one working.

One more thing ramping up the difficulty of today's task is the usage of one time passwords (OTP).

Luckily, I found a YouTube video demonstrating how an OTP could be

produced with a random function taking in the range of 100000 to 999999.

It does not produce values with leading zeros, but it works so I used it.

I feel bad today. I did nothing but copy paste functions from the internet today.

What I accomplished today is that I can now save user input to the MongoDB database I created.

I can also retrieve data from the database since I have the old code of doing so.

I'll work on this project on the weekend since the deadline is on Monday. I hope I get far.

Rosmond Ralph Q. Rivas

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DATE	May 5, 2025	AREA ASSIGNMENT	Engineering
TASK	Pets API	SHIFT/TIME	8 AM to 5 PM

I feel down today.

We were tasked to make a simple API yet I have trouble making one since I'm unfamiliar with it.

I finished it today, but it has routes not specified by the task.

There are fixes to be made, but I think I'll fix it tomorrow.

I also finished the user signup/sign-in application today.

I did get far, but I barely understood anything. I was just connecting one class from another.

I don't want to do this project again. I used lots of try-catch clauses when sending an email.

So there seems to be a bit of a slowdown when giving out OTPs.

I could not fix it since the deadline is today and I barely got time.

Today is sad. Today I saw that I cannot program well.

Rosmond Ralph Q. Rivas

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DATE	May 6, 2025	AREA ASSIGNMENT	Engineering
TASK	Learning the Dart language	SHIFT/TIME	1 PM to 5 PM

I fixed the bugs from the last task. Since I finished all remaining tasks, I did an advanced study of the Dart language.

It is an easy language since it is similar to C#.

What is difficult is how I set up its SDK since I have not yet learned Flutter and only used DartPad.

So I did not install Dart today.

There are no new pending task yet, but I think our next task would be to consume our API in C#.

It was demonstrated today. Looking forward to creating a new API since the one I created was a mess.

I also learned today what LINQ is in C#. LINQ means language-integrated query.

It is a group of functions that makes filtering data easier.

It is like SQL except that it works with C# objects like lists, arrays, and sets.

Now, I understand the shortcuts ChatGPT gives when I ask it to code in C#.

What I don't understand yet are lambda functions.

I only know them as anonymous functions, functions that can be written within a statement.

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DATE	May 7, 2025	AREA ASSIGNMENT	Engineering
TASK	API for user registration / signup	SHIFT/TIME	8 AM to 5 PM

Today is stressful. I have a task due tomorrow at 10 PM and I already started it today but I have not finished it yet.

There are lots of things I need to fix first, so I'm thinking of working early tomorrow.

The task is to make the previous task of making an account portal into an API.

I only finished getting the user information but it gets erased during registration.

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DATE	May 8, 2025	AREA ASSIGNMENT	Engineering
TASK	Upload functionality	SHIFT/TIME	8 AM to 5 PM

Today I am moderately stressed because there were new tasks added just this morning.

Fortunately I finished the task yesterday.

All that was left yesterday were the functionalities of changing the password and verifying the one time password (OTP) it sends.

Lots of tasks, but I managed.

The new task was to create an API where users can upload pictures with.

The other task was to create an API where users can upload data in comma separated values (CSV) format.

I separated these two because the testing differs.

The first one uses Insomnia, while the second one uses a console app consuming it.

I am now familiar with making APIs in ASP.Net MVC model so the tasks were mildly easy.

Model is the data, view is what the users see, while controller mediates between the model and view.

I mostly worked with controllers, meaning I spent more time setting up the endpoints correctly.

But I still got confused again in handling files, so I copied solutions I found online. I am glad that they worked.

It was moderately busy today. I am glad I finished my tasks before today's deadline at 10 PM.

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DATE	May 9, 2025	AREA ASSIGNMENT	Engineering
TASK	Restructure API	SHIFT/TIME	8 AM to 5 PM

Today we are tasked to combine tasks 11 and 12 in one project.

Along with it, we are tasked to restructure the program so that it is split between interfaces and implementation.

We also need to follow the single responsibility principle (SRP).

Today's task was difficult because I barely understood what my code was before.

I cannot translate it to follow SRP when I do not understand how it works.

But somehow, I finished the all API side of the task.

I will work on the console app which consumes the API tomorrow.

Today, I feel the task to be tedious, and I feel sad because I do not fully understand the code.

That is all that I want to write for today. I do not want to make a similar project in the future.

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DATE	May 13, 2025	AREA ASSIGNMENT	Engineering
TASK	Real-time apps	SHIFT/TIME	1 PM to 5 PM

We are tasked to make a real-time app, so we made a messaging app.

It was made as a Blazor web app.

It was a bit of an easier task. But I still got confused.

Luckily, I found code online that works.

I felt happy when the messaging among multiple users worked.

What is difficult today is connecting a console app to the messaging app.

It is like creating an additional client.

Sadly, I did not understand it fully. But I am glad I have the app working.

I am not liking the recent trend of not understanding my code.

I do not know what to do.

After this task, a new task is given, preventing me from reviewing the code I just did.

I hope this changes soon.

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DATE	May 14, 2025	AREA ASSIGNMENT	Engineering
TASK	Flutter Install	SHIFT/TIME	8 AM to 5 PM

The task today is to just ready a Flutter dev environment.

So I installed Flutter and Android Studio.

I had no problems during installation so I am happy.

Along with the setup, we are also required to read through guides on how to use Flutter.

I am glad there is just minimal coding today, but Flutter is still hard.

I cannot understand the nested code for just displaying two rows of text.

I do not understand how columns and rows work in Flutter.

All I get is that all things are probably widgets.

But then, I do not understand how a widget works.

It is somehow sad that despite having work for nine hours today, I barely understood Flutter.

I hope I understand it tomorrow.

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DATE	May 15, 2025	AREA ASSIGNMENT	Engineering
TASK	UI Wireframe and Flutter UI Controls	SHIFT/TIME	1 PM to 5 PM

Today, there are two tasks, one is due later tonight and another tomorrow.

I only did what is due tonight. It was to create a wireframe UI for a car parking reservation system.

I thought it was easy, but it easily ate all my time.

It was supposed to be done in 2 hours, but I used all my 4 hours today for this.

I also had to learn Figma so that I can easily prototype the UI of an app.

I am a bit disappointed with myself today.

It feels like I accomplished nothing.

My UI is garbage. Even with references from other apps, I am just not a designer.

With that being said, I still think I prefer this rather than coding.

Only if I were better at art, I would have left coding.

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DATE	May 16, 2025	AREA ASSIGNMENT	Engineering
TASK	Flutter UI Controls	SHIFT/TIME	8 AM to 5 PM

Today I learned more about how to use Flutter.

Flutter is just a scaffold where I put widgets inside.

Widgets are aligned by putting them inside rows or columns.

For a single page app, one column is enough.

Though Flutter boasts its style and adaptability to different platforms, I as a developer do not think much about it.

What I am concerned about is how they are aligned and which widgets to use. Flutter handles the rest related to UI.

Rossmond Ralph O. Rivas

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DATE	May 19, 2025	AREA ASSIGNMENT	Engineering
TASK	IIS	SHIFT/TIME	8 AM to 5 PM

Today's task was easy. The task is to host the web API I created in Windows' internet information services (IIS).

It took me at least three hours to complete the task.

I was stuck receiving errors when I placed both of my APIs in the same application pool.

I am glad I found the problem since the errors shown were useless.

That is all for today. I hope the next tasks are about Flutter since I like it.

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Rosmond Ralph Q. Rivas



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DATE	May 20, 2025	AREA ASSIGNMENT	Engineering
TASK	Mobile App User Registration	SHIFT/TIME	1 PM to 5 PM

Today's task was easy.

I just had to connect my Flutter mobile app to the registration web API I had set in IIS.

The only trouble I have is that I kept getting error 404s earlier.

I found out that the Android emulator does not connect to my local machine.

I needed to connect via IP address instead.

Though today's task was easy, it was still tedious. I had to check that each text form field works.

Still, I think I could have done better at designing the UI. But I just let them stack upon each other.

That is all for today.

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DATE	May 21, 2025	AREA ASSIGNMENT	Engineering
TASK	Flutter mobile app Chat	SHIFT/TIME	8 AM to 5 PM

Today's task was difficult. I will not finish it today since there is no deadline.

I was tasked to use the chat backend for a Flutter messenger app.

I spent hours trying to connect the mobile app to the hosting machine.

This is different from the previous project since this does not use IIS.

I manually allowed firewall settings to use a 5000 port.

I do not want to write anything further. I do not like this project.

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DATE	May 22, 2025	AREA ASSIGNMENT	Engineering
TASK	Winform Chat App	SHIFT/TIME	1 PM to 5 PM

Today, I created a similar task from yesterday.

It is to create a client that will use the Blazor server from my previous task.

So another chat app, but in Windows forms.

I enjoyed creating the frontend since it is just drag and drop.

But I still dread coding the connection with the server.

I still copy pasted my previous works into my current task.

I still do not know by heart the syntax by which the code will run.

I still do not understand some parts.

I do not have time to remember it. I feel sad.

I wish I could allocate some time to learn and remember what I did in code.

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DATE	May 23, 2025	AREA ASSIGNMENT	Engineering
TASK	JWT Authentication	SHIFT/TIME	8 AM to 5 PM

Another difficult task of using JSON web token for authorization.

I do not like today.

I just copied solutions from online. I am sad.

I modified my registration portal to return a JWT when a successful login occurs.

Also, I got confused about managing users in MongoDB.

Not users as collections, but as in making a user that can handle the database.

So that user has a password for authentication.

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DATE	May 26, 2025	AREA ASSIGNMENT	Engineering
TASK	Blazor Registration	SHIFT/TIME	8 AM to 5 PM

Today is a disaster. I cannot connect my Blazor app to the web API.

I do not know what is causing the problem. I feel dread. I should probably review how Blazor works.

This is the first task that stumped me. I feel scared I would not be able to complete this within the deadline.

I will continue doing this project tomorrow.

Rossmond Ralph O. Rivas

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DATE	May 27, 2025	AREA ASSIGNMENT	Engineering
TASK	Finishing Profile in Blazor	SHIFT/TIME	1 PM to 5 PM

Thankfully I finished the task yesterday. It looks ugly because I do not know how to edit the UI.

I feel dreadful today as I am assigned to lead one of the modules in our group project.

I do not like being a leader.

Rosmond Ralph Q. Rivas

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DATE	May 28, 2025	AREA ASSIGNMENT	Engineering
TASK	NDA Discussion	SHIFT/TIME	8 AM to 5 PM

We are making a car parking reservation system that lives on the web, but has clients on the browser, desktop, and on phones.

I am scared of the project because it is complex.

I wish I would be assigned to the easier tasks.

I could probably guess what the stack is.

C# for the backend and desktop, MongoDB for the database,
and Flutter for the mobile phones since these are the technologies we have been practicing with.

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DATE	May 29, 2025	AREA ASSIGNMENT	Engineering
TASK	Group Assignment	SHIFT/TIME	1 PM to 5 PM

I am now assigned to a group as a leader.

I do not know yet what we are tasked with, as it will be discussed tomorrow Friday.

Our boss linked a page that teaches Git and GitHub.

So I relearned both of them.

I just discovered how to use separate branches in Git, but I do not know how to use it in GitHub.

I hope I learn it soon since

it is a great tool for making drastic changes to the source code, while keeping the original code intact.

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DATE	May 30, 2025	AREA ASSIGNMENT	Engineering
TASK	Group Assigned to Events/Activities	SHIFT/TIME	8 AM to 5 PM

Individually, there is nothing assigned today, so I did nothing.

But at the end of the day, our group just got assigned
to handle events and activities on the upcoming group project,
which is the parking reservation system.

We are yet to learn the details next week.

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DATE	Jun 2, 2025	AREA ASSIGNMENT	Engineering
TASK	About Activity/Event Module	SHIFT/TIME	8 AM to 5 PM

Our boss instructed us to start studying the modules we are assigned to.

So I searched online what an activity/even module could be.

I found vague answers on what it is.

Activity and events are broad terms when talking in the context of software. They look the same.

Activity, alone, is an action accomplished by the user within the software.

Similarly, events are also actions triggered within an activity. These explanations are useless.

A module dedicated to both has the purpose to track activities and their relevant events so that they could be used for audit later.

These are what online AI tells me.

Stepping back to look at the bigger picture, the modules seem sparse.

They consist of parking stat, activity/events, chat messages, parking wallet, more services, and headquarters monitoring.

Perhaps our assigned module encompasses all named activities you could think of

related to a parking reservation system such as user login, area lot reservation, user payment, etc.

I think that is what this module is about, but I will ask our boss what it is actually later.

After asking our boss, I got one part of my explanation right.

The module would track or record the activities the user does in our app.

Like whether the parking fee is received, customer check in or check out, booking request, and all other things.

With that out of the way, I plan to create the user stories tomorrow.

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DATE	Jun 3, 2025	AREA ASSIGNMENT	Engineering
TASK	Clone Project and User Stories	SHIFT/TIME	1 PM to 5 PM

Today I cloned the project on my local machine.

I am glad that GitHub Desktop made it easy to do so.

I also created user stories for our events module.

It was difficult to write them because I have no idea how the app would work, how we would track the events.

I do not even know whether we will work with MongoDB on our module.

Besides that, nothing happened today.

We did not even have our regular Tuesday meeting.

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DATE	Jun 4, 2025	AREA ASSIGNMENT	Engineering
TASK	Waiting for Instructions	SHIFT/TIME	8 AM to 5 PM

Today I just reviewed C# and Dart. I also reviewed Git commands.

I now know how branching works in Git.

Beyond that, I'm just waiting for instructions from our boss.

Our boss has been silent since the start of the week.

I hope there is an apt amount of work when we are given work.

I do not want to be overwhelmed with lots of work.

Rossmond Ralph Q. Rivas

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DATE	Jun 5, 2025	AREA ASSIGNMENT	Engineering
TASK	System Design	SHIFT/TIME	8 AM to 5 PM

For the first part of the day, I did nothing because nothing was assigned to us.

Our boss did not give us any instructions.

But later in the day, our boss messaged us to continue our system design of our assigned module.

I honestly do not know how to do it.

And this is the first time I heard this instruction, but it was already late.

I only have a bit of an idea how our module will keep track of user activities.

So I plan to start designing next week.

Rosmond Ralph Q. Rivas

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DATE	Jun 9, 2025	AREA ASSIGNMENT	Engineering
TASK	User Stories and Use Case Diagram	SHIFT/TIME	8 AM to 5 PM

As part of our system design, we have 5 stages for it.

The first two stages are to create user stories and a use case diagram.

It was confusing to do them, but I finished a draft today.

I do not want to finalize them yet because I am unsure whether they are correct.

I do not really know how an events logger acts, so I noted notifications in the user stories.

I am unsure if this is correct. I wait for the feedback.

Rosmond Ralph Q. Rivas

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DATE	Jun 10, 2025	AREA ASSIGNMENT	Engineering
TASK	Wireframe UI	SHIFT/TIME	8 AM to 5 PM

The third stage in our system design is the creation of wireframe UI.

So I created them to look like the user is having a notification whenever they do important tasks like checking-in or checking-out.

It was an easy yet tedious task.

I created the wireframe all in draw.io, making the file lag due to lots of shapes.

I am planning to change this tomorrow.

Rosmond Ralph Q. Rivas

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DATE	Jun 11, 2025	AREA ASSIGNMENT	Engineering
TASK	Wrong System Design	SHIFT/TIME	8 AM to 7:55 PM

I am sad and upset today. My user stories are wrong, hence the following stages were also wrong.

Just when I finished all five stages, I got notified that they were wrong.

I do not want to write that much for today.

To add, the last stages were the creation of class diagrams and API endpoints.

Despite all these, I am glad my boss guided me on how to correct my mistakes.

I never really understood our module, so that is why my system design is wrong.

Our module is not concerned with notifications, but with logging user activities.

Rosmond Ralph Q. Rivas

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DATE	Jun 13, 2025	AREA ASSIGNMENT	Engineering
TASK	New Filter	SHIFT/TIME	8 AM to 5 PM

I am anxious today since I do not know whether my corrections in the system design are valid.

I am still waiting for my boss's comments.

Along with my corrections, I added a filter in the activity logs so that the user can sift through events they deem relevant to them.

My boss did not ask for this, but I think they are needed.

I am never good at designing, so I hope my boss does not get annoyed at me.

(Handwritten signature of Rosmond Ralph Q. Rivas)

Rosmond Ralph Q. Rivas

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DATE	Jun 16, 2025	AREA ASSIGNMENT	Engineering
TASK	Wadhwani Chapter	SHIFT/TIME	8 AM to 5 PM

I honestly do not know what is required today.

Our boss has been quiet recently.

So I started a Wadhwani chapter which is part of our job-preparation course.

I honestly feel anxious since our boss has not given us any tasks.

It has been like this for almost two weeks.

I hope there will not be a lot when given tasks.

Rosmond Ralph Q. Rivas

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DATE	Jun 17, 2025	AREA ASSIGNMENT	Engineering
TASK	Wadhwani Chapter	SHIFT/TIME	1 PM to 5 PM

There are still no tasks today.

Our boss has not given any instructions yet. My anxiety grows.

While I nearly did nothing today, I finished the fifth out of thirteen Wadhwani chapters.

I am planning to do another tomorrow if this silence continues.

Rosmond Ralph Q. Rivas

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DATE	Jun 18, 2025	AREA ASSIGNMENT	Engineering
TASK	Another Wadhwani Chapter	SHIFT/TIME	8 AM to 5 PM

I completed the sixth Wadhwani chapter because I did nothing work related today.

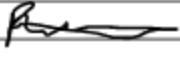
Our boss has finally spoken in our Teams chat.

He instructed most of the other groups on corrections they need to do on our diagrams,
but he has yet to give any feedback to ours.

I do not know when to ask for feedback.

I feel like I should work more on our diagram before asking for feedback.

I feel anxious.


Rosmond Ralph Q. Rivas

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DATE	Jun 19, 2025	AREA ASSIGNMENT	Engineering
TASK	Company Dinner	SHIFT/TIME	8 AM to 5 PM

I feel regretful and sad.

I did not join the company dinner because I thought I would be busy today.

Next time, I hope to join their events.

Asides from that, no work related activities have been given.

Rosmond Ralph Q. Rivas

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DATE	Jun 20, 2025	AREA ASSIGNMENT	Engineering
TASK	Another Chapter	SHIFT/TIME	8 AM to 5 PM

I just started another chapter in our job preparation course.

Beyond that, I did nothing. I did not ask for feedback to our module because they were just from dinner yesterday.

I will wait for Monday to ask it.

Rosmond Ralph Q. Rivas

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DATE	Jun 23, 2025	AREA ASSIGNMENT	Engineering
TASK	Finalizing Diagrams	SHIFT/TIME	8 AM to 5 PM

I got feedback from my boss and I was able to finalize the class diagrams.

Looking at it, our module is simple.

But I am still anxious about doing our final task.

I do not know whether I could lead or code our logger. I am scared, I have barely an idea how to do it.

Moreover, our boss said not to use external libraries for our logger.

So we are making our own logger.

Today I just asked questions about our logger, but I hope I start coding tomorrow.

Rosmond Ralph Q. Rivas

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DATE	Jun 24, 2025	AREA ASSIGNMENT	Engineering
TASK	Initialize Event Logger	SHIFT/TIME	8 AM to 5 PM

I started creating a model class for the logs that would be collected.

I also created a service that would log events.

My problem today is that I wonder how I should test my cross cutting service.

Modules that this will be used on are still unavailable.

I feel uneasy implementing this without them.

Despite nearly finishing the model and service, some questions linger.

I have decided to include a user ID per log, to track which user does what.

But what if the event is a failed login when the only detail that we know of is the user's email?

I need to think more about this before proceeding.

I hope the other modules get finished earlier so that I can test our logger service.

Rosmond Ralph Q. Rivas

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DATE	Jun 25, 2025	AREA ASSIGNMENT	Engineering
TASK	Event Logger: Owner Authentication	SHIFT/TIME	8 AM to 5 PM

I fixed my problem yesterday by making two methods.

One logs user ID, and the other logs email.

Ironically, the one that logs the email acts as if the user is anonymous.

But for now, this problem has now been fixed.

The model and services I planned yesterday were coded today.

Along coding, I noticed that I am not saving the event category to the database.

So I modified the model.

Besides what I listed, I did nothing much today.

Also, I crossed the minimum hours required by our course today.

Rosmond Ralph Q. Rivas

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DATE	Jun 26, 2025	AREA ASSIGNMENT	Engineering
TASK	Replace with Interface	SHIFT/TIME	8 AM to 5 PM

I did a few things today. First, I clarified to our boss whether the logger I am creating is put in its right place. Fortunately it was correct. Then it is just a matter of putting the logger code before calls of significant events in the program. I am a bit happy that I figured out how to use a logger.

After that, I changed the calls to the logging service to be prefixed with "util" since our boss told us to use the interfaces. I was already using interfaces, I was just not following the naming convention. I now learned when and why to use interfaces.

I still dread creating the logger for other modules. It seems like I am creating several loggers for the different modules. The logger I have right now works well with user account actions, but is inflexible when it logs help desk concerns and monitoring services.

That is all to write today.

Rosmond Ralph Q. Rivas

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DATE	Jun 27, 2025	AREA ASSIGNMENT	Engineering
TASK	Controllers	SHIFT/TIME	8 AM to 5 PM

A lead from another module informed me that there are new events to log.

Fortunately it was only two and I easily updated our logger.

I also started writing our controller by which the log data is to be read from.

This is a mistake since I asked my groupmate to do what I did some days earlier.

I should have waited for his progress. We sorted our problem by having him the one to complete the controller.

This is a mistake on my part.

I still feel anxious.

I have not seen code from other modules yet so I have not implemented the correct logger for them.

It will probably be next week when I see their code.

Next week is also when I will finish my OJT. I hope I survive until next week.

Rosmond Ralph Q. Rivas

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DATE	Jun 30, 2025	AREA ASSIGNMENT	Engineering
TASK	Minor Updates	SHIFT/TIME	8 AM to 5 PM

I did not do much today. I got asked what the progress of our Flutter module is.

I showed nothing since we have not started it yet.

I also let my co-worker do the testing of our API controller.

Besides that, I have nothing to write about.

Except that I now act lax, since I already reached my hours and have part in our final project.

Maybe I won't go to work tomorrow.

Rosmond Ralph Q. Rivas

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DATE	Jul 1, 2025	AREA ASSIGNMENT	Engineering
TASK	Flutter Start	SHIFT/TIME	1:05 PM to 5 PM

My co-worker is keen to start our Flutter module, so I let him.

That leaves me testing the controllers, which I did not do today.

There have been lots of changes on the "main" branch, so I merged our work with it.

Tomorrow, I will start logging events on module 1 since I finished logging module 0.

[Large area for journal entries, consisting of approximately 15 blank horizontal lines.]

Rosmond Ralph Q. Rivas

A handwritten signature in black ink, appearing to read 'Rosmond Ralph Q. Rivas'.

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DATE	Jul 2, 2025	AREA ASSIGNMENT	Engineering
TASK	Endpoint Removal	SHIFT/TIME	8:01 AM to 5:01 PM

Today I realized that there is a flaw in our logging design.

The user should not be able to log, instead they should be logged automatically.

Doing so will prevent them from forging their own logs.

So I removed the endpoint which allows them to create logs.

Besides that, I just merged the changes from module 1.

That way I logged events in the module 1 branch.

That is all for today.

(Handwritten signature of Rosmond Ralph Q. Rivas)

Rosmond Ralph Q. Rivas

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DATE	Jul 3, 2025	AREA ASSIGNMENT	Engineering
TASK	Fix Log Bug	SHIFT/TIME	8:01 AM to 5:01 PM

There was a bug that let users read the logs of other users.

It happens because I was using email as an identifier.

I fixed it by strictly identifying a log through the user ID.

The user ID is ensured to be unique per user.

Doing so, I also prevented users from accessing "anonymous" logs.

I do not know yet how to access these, but every role cannot access these logs.

Maybe I would let someone with an admin role view these.

For now, I have no plans.

Rosmond Ralph Q. Rivas

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DATE	Jul 4, 2025	AREA ASSIGNMENT	Engineering
TASK	Last Day	SHIFT/TIME	8 AM to 5 PM

I declare today to be my final day training.

But there is still an upcoming training I need to attend so that I can prepare for an IT related job after college.

The training was cancelled as the speaker was not feeling well.

I learned a lot throughout this course.

I notice their forms (the lessons), but I can grasp them.

Making a logger has opened my eyes on security issues.

Like, I wanted to log password reset requests, but then I have trouble thinking of a way to log these "anonymous" events, where I am unsure who the user is.

It is normal practice to just email the user about these anonymous events if I choose to let them see their logs.

The only logs they see are those tied to their unique identifier (something permanent and not that changes like email).

Each user had their own permanent account number, which I used to log non-anonymous events like updating their parking site details.

I am thankful to my coworker who worked on the front-end and had been brave using the API endpoint I have created.

It is a tedious task to understand how to retrieve logs from our database.

What I did is far from perfect, but our logger works.

I am positive that the logger logs crucial events with important details.

I am happy to see it record events from different modules.

That is all to write today. Maybe I will make another entry when I receive my training.

Rosmond Ralph Q. Rivas

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DATE	Jul 8, 2025	AREA ASSIGNMENT	Engineering
TASK	Push Code	SHIFT/TIME	8 AM to 5 PM

I guess I am back with regular work hours until I finish the project.

Today, nothing much has happened except for pushing all our code to remote-main.

A bit of happiness and lots of dread seeing now the code of others.

Finally, I can see their code and make my code log their events.

I dread it because I also need to make and test each logger for each new module.

Rosmond Ralph Q. Rivas

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DATE	Jul 9, 2025	AREA ASSIGNMENT	Engineering
TASK	Code Merge Problems	SHIFT/TIME	8 AM to 5 PM

I did nothing much today.

There were errors to the remote branch of our project.

I will wait for the fix.

I have not started working on the logger for other modules yet since there are errors.

Rosmond Ralph Q. Rivas

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DATE	Jul 10, 2025	AREA ASSIGNMENT	Engineering
TASK	Merge Fix	SHIFT/TIME	8 AM to 5 PM

We are tasked to discuss among groups about the recent merge full of errors.

A fix was suggested and we tested it to see whether it works.

I tested it on my end and found our module fortunately works.

The day ended with two other modules conflicting each other.

Hence, I will wait until tomorrow before working on the logger module.

Rosmond Ralph Q. Rivas

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DATE	Jul 11, 2025	AREA ASSIGNMENT	Engineering
TASK	Git Problems	SHIFT/TIME	8 AM to 5 PM

We are supposed to merge the code of our mobile app today,

but my coworker is busy and I was not able to get their code.

We will just work on it next Monday.

Aside from that, nothing much has happened today.

I also finished all the Wadhwani courses.

Rosmond Ralph Q. Rivas

TRAINEE'S SIGNATURE



DAILY JOURNAL

IMPORTANT INFORMATION

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC.
 - SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS .
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DATE	Jul 14, 2025	AREA ASSIGNMENT	Engineering
TASK	History on Mobile App	SHIFT/TIME	8 AM to 5 PM

My coworker did the history UI and I asked him to merge it to the main branch.

After merging, the app does not work anymore.

I cannot find a solution so I reverted the changes.

Rosmond Ralph Q. Rivas

TRAINEE'S SIGNATURE



DAILY JOURNAL

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DATE	Jul 15, 2025	AREA ASSIGNMENT	Engineering
TASK	End of OJT	SHIFT/TIME	8 AM to 12 PM

Today is the last day I will be working with the company.

I learned a lot.

I am sad that I will be leaving the company with the logger module without its full potential.

But time is strict, I need to present my practicum learnings this Saturday.

So I am leaving today.

Rosmond Ralph O. Rivas

TRAINEE'S SIGNATURE