



FPT EDUCATION GLOBAL

PROJECT DESCRIPTION - DEVELOPMENT INTERN

1. HOSTING ORGANIZATION INFORMATION

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| Name of Organization | MercTechs |
| About the Organization | About MercTechs <p>MercTechs is a company that specializes in developing high-quality software solutions to meet the needs of various industries. They have experience working with clients of all sizes, from small businesses to large multinational corporations. With a team of skilled developers, MercTechs can work with clients worldwide to create customized solutions.</p> <p>Address: Number 16, Lane 71, Linh Lang Street, Ba Dinh District, Hanoi</p> |
| Activity Start Date | 22/11/2024 |
| Activity End Date | 12/12/2024 |
| Instruction language to intern | English |
| Organization website | http://merctechs.com/ |
| Organization Representative Name & Contact | 1/ CEO - Name: Tang Xuan Truong - Email: joe@merctechs.com |
| Supervisor's name and contact | - Name: Tang Xuan Truong - Position: CEO - Tech Lead - Email: joe@merctechs.com - Phone Number: 090 2226743 |
| Organization's pictures | Link |

2. PROJECT DESCRIPTION

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| Project activity | Project: Develop Backend systems for client applications Objectives: Build and enhance backend systems to improve performance, scalability, and deployment for various client projects. |
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| Project activity | Activity details: 1. Activity #1: <i>Analyze project requirements for backend functionality, focusing on API design and data management.</i> 2. Activity #2: <i>Research and implement suitable frameworks and libraries to support scalable backend development.</i> 3. Activity #3: <i>Integrate backend services with APIs to enable seamless data flow and support frontend applications.</i> 4. Activity #4: <i>Conduct quality control (QC) on LLM workflows, ensuring reliable and accurate outputs through testing and iteration</i> |
| Requirement for students | <ul style="list-style-type: none"> - Basic programming skills in Python. - Familiarity or interest in Python frameworks, especially Django and Odoo. - Understanding of object-oriented programming concepts. - Willingness to learn version control tools like Github, Gitlab, ... |
| Preferred contact days and times | <ul style="list-style-type: none"> ✓ Company induction: Meeting and being introduced to the whole team of host company ✓ Working hours: 7 hours/day - 35 hours/week ✓ Working time: 9 AM – 6 PM from Monday to Friday, 2 hours break at noon (12 PM - 2 PM) (Require a minimum of four days of offline presence at our office) ✓ Note: Students commit to be available during the mentioned working hours for assignments and discussions with the supervisor. |

3. PROJECT TIMELINE

| Activity | Week | Main task | Work output |
|---------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Activity #1: | 1 | <ul style="list-style-type: none"> - Analyze project requirements for backend functionality - Research and select frameworks and libraries | <ul style="list-style-type: none"> - Documented requirements, API design, and data schema - Selected frameworks and initial backend setup |
| Activity #2: | 2 | <ul style="list-style-type: none"> - Integrate backend services and conduct QC for LLM | <ul style="list-style-type: none"> - Functional backend, QC reports for LLM, and final adjustments |
| Activity #3: | 3 | <ul style="list-style-type: none"> - Deploy applications and finalize documentation | <ul style="list-style-type: none"> - Deployed application, deployment notes, and monitoring setup |

※ *The specific duties of the internship may be adjusted based on the situation.*

4. UNIFORM: Smart Casual Clothes (T-shirt, shirt, long pants, dress (not too short))

Evaluation method: *The intern will get the work tasks for the work on Monday and will present their weekly work result on Friday to the team. The intern then will get feedback from supervisors and co-workers for their work.*