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| HA NOI UNIVERSITY OF SCIENCE AND TECHNOLOGYSCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY Department of Software Engineering | No 01/ĐTĐH |

## DRAFT

**Amount of Time: …. , from / / to / /**

**Curriculum:**

**College [ In-service/KS2 [ ] Bachelor [ ] Engineer [ x ] Higher education [ ]**

**Other[ ]: ….**

**Type :**

**Homework [ ]Project 1[ ] Project 2[ x ] Project 3[ ] Graduation Thesis [ ]**

**Other [ ]: ….**

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| **Full name: LE THI MAI (Team Leader)**  **Class:LTU12A Phone: 01692630370 Email:ltmai93@gmail.com**  **Full name: TRAN HUU NAM PHUONG (DevOps)**  **Class: LTU12A Phone: 0965868102 Email: yesterdayoncemore23@gmail.com**  **Full name: NGUYEN VAN QUY (Backend Developer)**  **Class: LTU12A Phone: 01668236508 Email: dinhquyf8@gmail.com**  **Full name: NGUYEN PHU CUONG (Frontend Developer)**  **Class: LTU12A Phone: 0981513012 Email: phucuong0201@gmail.com** | | |
| **Internship department: SIE**  **Company name: SIE**  **Address: 1 Dai Co Viet Street**  **Phone: 0438683408**  **Representation person: Dr.Vu Thi Huong Giang Phone: 01266016898**  **Internship department’s confirmation:** | | |
| **Instructor: TS Vũ Thị Hương Giang**  **Phone: NR : Mobile: 01266016898 Email: vthgiang@gmail.com**  **Place of work:, SOICT, HUST**  **Instructor: MA. Bành Thị Quỳnh Mai**  **Phone: NR Mobile: Email: maibtq@gmail.com**  **Place of work: SOICT, HUST** | | |
| **Internship project:**   * Building internship management platform for SIE   **Type: Software Development [x] Research [ ] Technology Study [ x] Other [ ]** | | |
| **Requirements:**   * Building management internship process of SIE’s students website * Complete product (beside project’s source code) is a website which is deployed on webserver/cloudserver (localhost is not permitted). This website need to provide these following functions for these user groups:   **Student:**   * Adding/Editing CV * Viewing list of internship topics * Filling internship register form * Responding to internship process * Submitting half semester/semester internship report * Tracking internship rating status * Viewing internship mark   **Company’s agent:**   * Release internship topics list * Filling acceptance form for receiving student   **Company’s instructor:**   * Submitting detailed draft * Rate according to the standard * Comment/response according to the standard   **Internship manager teacher**   * Comparing student’s expectation/destination company * Planning/Arranging internship program by miltiple periods * Analyzing student’s internship process   **Instructor:**   * Giving marks * Communicating with company’s instructor   **Website administrator**   * ***User management:*** * Student must use school email, company must use company’s email * Social networks login * ***Mark management*** * Auto configuration: * Auto notify user for giving mark, response via email, SMS, FB,.. * Comparing student’s expectations and destination company | | |
| **Expected Result:**   * Website will be deployed by Ordinary Server or Cloud Server (localhost is not permitted). * UI should be friendly and easy to use * Supporting for internship registration process of SIE | | |
| **Job details:**   |  |  |  |  | | --- | --- | --- | --- | | **STT** | **Mission name** | **People in responsibility** | **%Contribute** | | **Task 1: Describe use case, project analysis 20** | | | | | 1 | Describing functions | Team | 15 | | 2 | Building use case | Mai | 5 | | **Task 2: Database 15** | | | | | 1 | Designing class diagram | Quy, Phuong | 5 | | 2 | Database Design | Quy, Mai | 10 | | **Task 3: Prototyping 20** | | | | | 1 | API foundations | Quy | **10** | | 2 | UI basics | Cuong | **5** | | 3 | Localhost deployment | Cuong | **5** | | **Task 4: Specific requirements 30** | | | | | 1 | Permission | Phuong, Quy | 10 | | 2 | Logical improvement | Quy | 10 | | 3 | UI improvements | Phuong | 10 | | **Task 5: Product complement 15** | | | | | 1 | Testing | Mai | 5 | | 2 | Performance optimazing | Phuong, Quy | 5 | | 3 | Deployment | Phuong | 5 | | | |
| **Development Tools:**   * **Programming language:**   PHP (Ruby), JavaScript, SQL,…   * **Database:**   MySQL.   * **Development Environment:**   Linux, Windows, PHPStorm, Vagrant, Docker, Git, Heroku/Azure,… | | |
| **Workflow (Strictly follow job details):**   |  |  |  |  | | --- | --- | --- | --- | | **STT** | **Detailed Job** | **People in responsibility** | **Result** | | **Week 1: Requirement Analysis** | | | | | 1 | Complete draft | Phuong | Submitting on 19/2 | | 2 | Specifying requirements | Quy, Cuong | Releasing detailed activity of product | | 3 | Drawing specific use case | Mai | Releasing use case diagram | | 4 | Week 1 report | Mai |  | | **Week 2: System requirements analysis** | | | | | 1 | Building class diagram | Mai | Releasing class diagram | | 2 | Building activity diagram based on each system’s function | Quy, Phuong | Releasing activity diagrams | | 3 | Week 2 report | Cuong |  | | **Week 3+4: Database design** | | | | | 1 | Building Database | Mai | DB should have these following tables:  User, Controller, Permission, Group, Internship\_topic, Company | | 2 | Reviewing Database | Quy | Completing db | | 3 | Querying basic | Phuong | Querying basic | | 4 | Week 4 report | Cuong |  | | **Week 5+6: UI design** | | | | | 1 | Mocking up UI | Cuong | Basic sketch of UIs |  | | 2 | Implementing basic UIs | Phuong | Displaying static UI | | 3 | Reviewing UI | Team | UI fully functional | | 4 | Summary, week 5+6 report | Mai |  | | **Week 6+7+8:** | | | | | 1 | API basics | Quy | Basic implementation with db’s object | | 2 | Permission | Phuong | Basic permission | | 3 | Logical improvement | Mai, Quy |  | | 4 | Localhost deployment | Cuong | Running properly in localhost | | 5 | Summary, week 6 + 7+8 report | Mai |  | | **Week 9+10** | | | | | 1 | Performance optimizing | Phuong, Quy | Fast response | | 2 | UI improvement | Phuong, Cuong | Smoothing UI activity | | 3 | Product packaging | Phuong | Product is packaged | | 4 | Complete final report | Mai |  | | **Week 11 +12: Testing** | | | | | 1 | Writing test case | Mai, Phuong | Releasing test scenario | | 2 | Testing | Quy | Product worked properly | | 3 | Cross testing | Mai, Cuong | Reporting experienced errors | | 4 | Completing testing report | Mai |  | | **Week 13:** | | | | | 1 | Submitting project | Mai | Project should be submitting before deadline | | **Week 14+15:** | | | | | 1 | Demo | Phuong, Quy | Demo for 15 minutes with world class skills | | | |
| **Student’s suggestion (if necessary):**   * Delay mid-semester report for 2 weeks | | |
| **Draft submission date: 16/2/2017**  **Report submission date: 21/4/2017** Presentation Date: 21/4/2017 | | |
| **Instructor’s comment about draft’s content** | | |
| **Instructor’s signature** Date Month Year | Subject’s confirmation **Date Month Year** | **School’s confirmation**  **Date Month Year** |