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| UNIVERSITY OF INFORMATION TECHNOLOGY  **ADVANCED PROGRAM**  **IN INFORMATION SYSTEMS** |  |
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# THESIS PROPOSAL

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| **THESIS TITLE:** **A mobile-based system for managing the apartment guests for security** | |
| **Advisor:** Ph.D Nguyễn Thanh Bình | |
| **Duration:** (From *27/02/2023* to *17/06/2023*) | |
| **Students:**   * Dương Minh Thành -17521044 | |
| **Contents:**  Target:   * Build an android for visitors at old apartments which do not have management system. * Basic functionality of the application:  1. Display form for visitors on tablet to visitors fill in their information. 2. Base on visitors ‘s information, security guard call owner’s apartment phone or zalo. 3. Statistic amount visitors according to month, year, etc. 4. Manage visitor’s information, owner information, etc.   Scope:   * For managing info of owner’s apartment, visitors, etc. * Manage security when visitors want to meet owner’s apartment. * Easy for contact owner’s apartment by security guards. * Language: Java ̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣(information form), ReactJs(management web) * Deploy environment: Android Studio   Objective:   * Build the system bases on tablet for filling information. * Security guards base on information to call owner’s apartment. * Helping manage information about apartments, visitors, owners, etc. * Statistic about amount visitors by months, years, and other information, illustrate by charts. | |
| **Research timelines:**  Study and work   * Review java basic and oop(from 1 to 2 weeks) * Learn android and ReactJs(from 1 to 2 weeks) * Start project and upload on GitHub(3 weeks) * Write API (1 week) * Fix bugs (2 weeks) * Release and submit GooglePlay(1 week) * Write report, ppt(4 weeks)   Fix bug   * <https://stackoverflow.com/> | |
| **Approved by the advisor(s)**  **Signature(s) of advisor(s)** | **Ho Chi Minh city, 24/2/2023**  **Signature(s) of student(s)** |