**Capstone Design**

**Project Proposal**

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**Chung-Ang University**

**Team Groza**

**Dog Nose Recognition**

** Schedule**

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| **Week** | **To-Do (can be changed)** |
| **Week 1** | **Project goal setting** |
| **Week 2** | **Propose project** |
| **Week 3** | **Design: User Interface, System Architectures**  **Setting : Development Environment,** |
| **Week 4** | **Workshop for collecting data set( Dog cafe, park, .. etc)**  **Hong : Launching AWS server environment**  **Chan : Applying Design to Android Studio**  **Paeng :** **Develop Pre-processing Method and apply it to Fingerprint picture.** |
| **Week 5** | **Hong : build the basic code in the server**  **Chan : Develop Android Application**  **Paeng : Apply Pre-processing method to the dog’s nose picture using python opencv.** |
| **Week 6** | **Hong : Complete the developing basic Server Core**  **Chan : Develop Android Application**  **Paeng : Develop Feature Detecting & Matching** |
| **Week 7** | **Hong : connect the server and application**  **Chan : Complete Android Application**  **Paeng : Refactoring Code to get good performance** |
| **Week 8** | **Midterm Examination** |

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| **Week** | **To-Do (can be changed)** |
| **Week 9** | **Hold a meeting and make a Plan based on Midterm Demonstration.** |
| **Week 10** | **Android : Image Upload Function.**  **Server : Add a image data column in database and link with python code.**  **Python : Link to the server** |
| **Week 11**  **(chan)** | **Android : E-mail Certification function.**  **Server : link to python code completely and buy a server.**  **Python : Find the way to save the feature template in database.** |
| **Week 12**  **(hong)** | **Android : Complete the detail function. (Edit Profile, etc...)**  **Server : Divide the mode of the function in server.**  **Python : Code refactoring and enhance the performance.** |
| **Week 13**  **(paeng)** | **Android : Release the Beta Version and unit testing by users.**  **Server : Move the data to the database that we bought, and refactor.**  **Python : Code refactoring and enhance the performance.** |
| **Week 14** | **Final Demonstration** |
| **Week 15** | **Report Submission** |
| **Week 16** | **Survey & Final Arrangement** |