



Term Project

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LIBERAL TOPIC

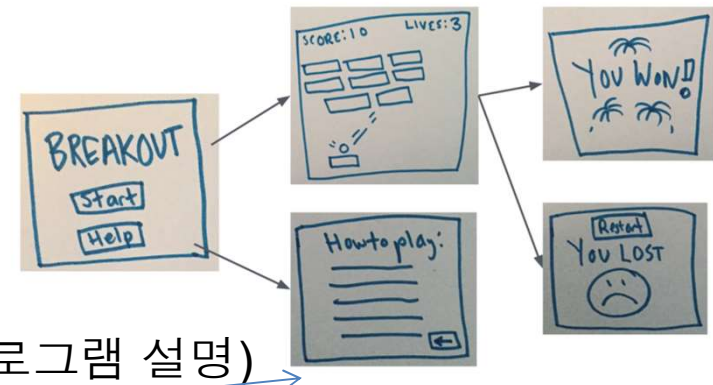
자유 주제로 진행

Project Proposal Deadline (제안서 제출 기한)

- Due: 13:59:59pm, on Tuesday, 05/04/2021 (next class)
 - Length: one week from now
- You will be working on this project in a group of three.
 - If you cannot find your partners, then let me know.
- Grade: 5% of your total grade

Proposal

- Problem description (문제 설명):
 - Describe what you are going to implement with Java technology (자바 기술로 무엇을 구현할 것인지 설명할 것).
- Submission: PowerPoint Slide
 - Include the following information:
 - Name and student ID (이름 및 학번)
 - A chosen topic (주제)
 - Project program description (프로젝트 프로그램 설명)
 - Major menus and functions (주요 메뉴 및 기능)
 - Project milestone (프로젝트 마일스톤)
- Do **NOT** plagiarize any existing open source program or your friends' code for your project. (기존 코드 카피 -> F)
 - If confirmed, F will be given, regardless of any excuse.



Proposal (Cont'd)

- Proposed topics: something *bigger* than homework
 - 1) **Contents management system** (CMS) (컨텐츠 관리 시스템)
 - Restaurant management program (음식점 관리): membership, food order, payment, stock, ...
 - Ticket reservation program (티켓 관리): movie, train, bus, or airplane
 - Academic management program (학사관리)
 - Department – Student, Professor, Staff ...
 - Student – Course enrollment, grade check ...
 - Professor – Attendance board, teaching courses,
 - Staff – Attendance board, teaching courses ...
 - A program of movement tracking on COVID-infected people (코로나 확진자 동선 추적)
 - 코로나 백신 수급 관련 프로그램?
 - 음악 playlist 관리 및 검색 프로그램?
 - 현금 인출 지급기 프로그램?

Proposal (Cont'd)

- Proposed topics: something *bigger* than homework
 - 2) **Utility program** (유틸리티 프로그램)
 - Language translator (언어 번역기)
 - Lunar <-> Gregorian calendar (음/양력 변환기)
 - Code copy checking (코드 표절 검사기)
 - ...

Proposal (Cont'd)

- Proposed topics: something *bigger* than homework

3) **Game** (게임)

- Whichever you like to program
- Racing
- Chess/Omok
- Card
- Monopoly (or Blue Marble game) (19년도)
- Snake movement (20년도)
- ...

Code Requirement

- Line of code without comments: 750+
- Required Technologies: could be added more
 - Class, Inheritance, Interface
 - Graphical User Interface (GUI) via Java Swing
 - Note: Your program shouldn't be a console program.
 - File I/O and exception handling
 - Collection (ArrayList, Map, List, or Set)
 - Interface for external libraries
 - Some utilities: `Random`, `StringTokenizer`, etc. if needed
 - Object Serialization/Deserialization
- Optional Java Technologies
 - Multi-threading: 20% extra credit

Project Final Deadline (최종 코드 제출 기한)

- Submission due: **Midnight on Monday, May 31, 2021**
 - Length: about 5 weeks from now
- What to submit?
 - 1) Presentation slides (`project.pptx`):
 - Topic, major functionalities (or menus), used java technologies
 - Code length
 - (optional) Demo screenshots (or video)
 - 2) ReadMe file (`readme.txt`)
 - Should explain how to run your code, what to do with the code in greater detail, and anything reasonable.
 - 3) Project code (`*.zip`)
 - Your project code must be properly **packaged**.
- Demo: June 1st, 2021, in class

QUESTIONS?
