Façade Design Pattern

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In our project phase I, in the controllers package, it contains Conference java, which uses the Fagade Design Pattern.

Because the Façade Design Pattern solves the following problem:

D. This class is responsible to multiple "actors".

& Since Conference java is the interface to manipulate the whole system, it keeps the program running, it loads and control the flow of the whole program, so we cannot avoid having multiple actors in it.

2. We want to encapsulate the code so that it interacts with inclinidual actors.

▶ Îf ne didn't use this design pattern, we would have vicleded the Single-responsibility-pronciple of SOLID.

3) We want a simplified interface to a more complex subsystem > We need to put them in separate variables and put those as variables in the Façade, so the implementing details is not contained in the Conference: java.

After using the façade design portern, although conference java contains all the flow of control of running the whole program, the body of the class is not heavy, because we've created individual classes that each interact with only one actor, while the Façade class still has roughly the same responsibilities as before. By delegating each responsibility to the individual classes, lie. the Façade object contains references to each individual class) We preserve the open-closed principle of SOLID. The Fasade contains only the variables to do only the work, but the rest of the program connot access them directly, this encapsulates whatever is in the Fasade.

public class Conference ?

These variables will do all the work for

User Manager user Manager; Private Attender Manager onttender Manager; privode private Organiza Events Controller events Controller; Private

Ly this Façade.

Save Conversation 8 aux Conversation; Drivote

FileRead Writer fileRead Writer = new FileRead Writer 1; private

public void run() {
initialize all managers

The different responsibilities of the Façade class are each encapsulated inside a classivariable of the Fasade

public void start() { :11 connect to Governoup, set up dotabase

private void iteration(){

By Jiayi Su, please feel free to contact me if you spot on error, or you think there is something to improve.

I am houppy to improve it and make it better: My email address is: sjy.su@mail.utoronto.ca