Hisham Hussein

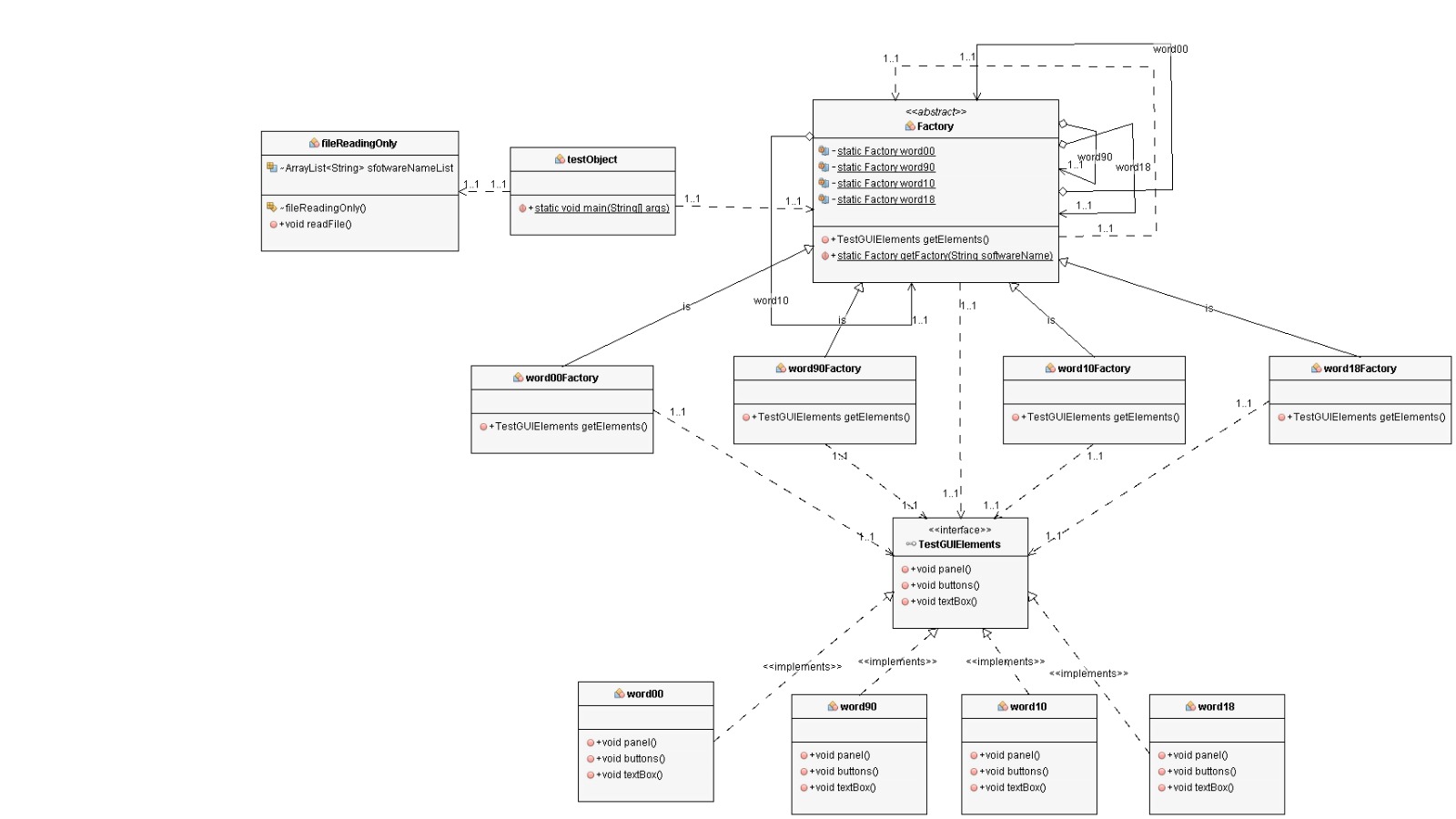
Online Student

02/16/2019

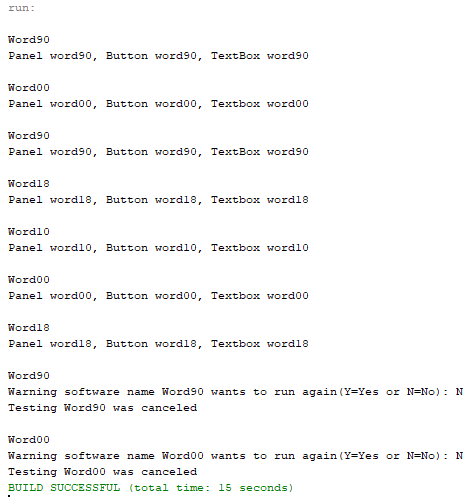
CIS 476

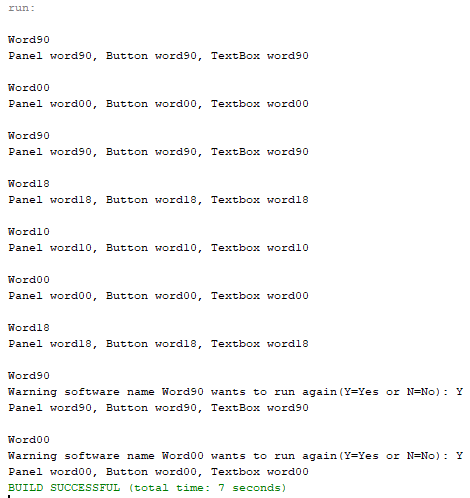
**Project One design patterns**

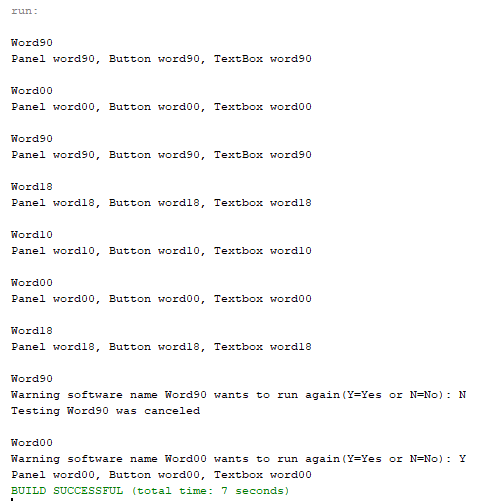
**Factory and singleton**

**UML Class diagram:**

**Screenshot:**

 Output One Output Two



 Output Three Output Four

