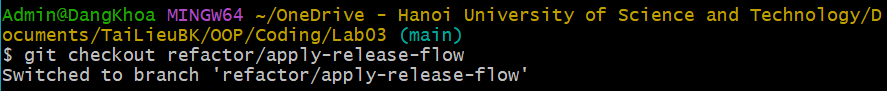
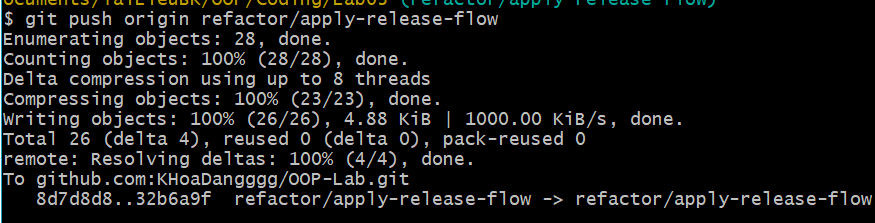
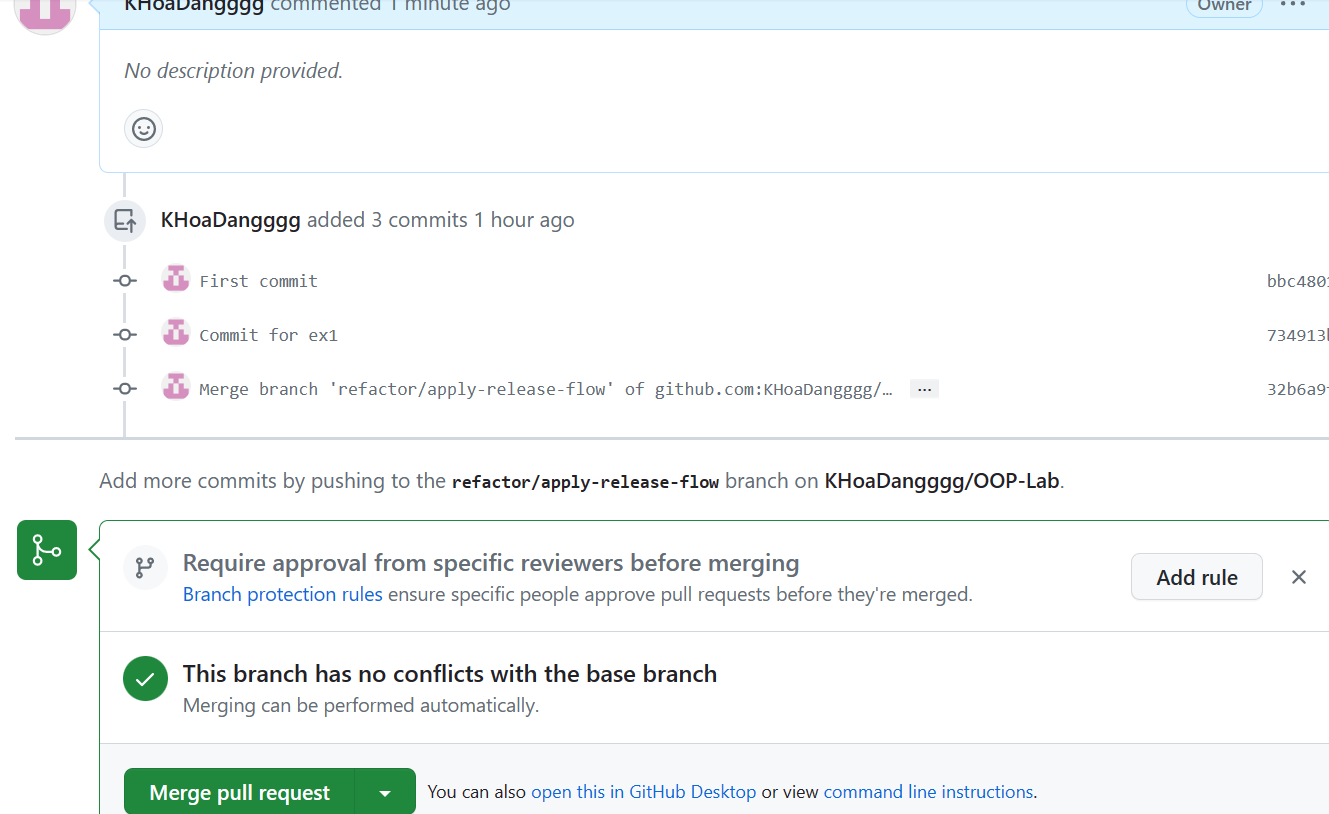
OOP Lab 3 Report

Ex1:

A screen shot of a computer program

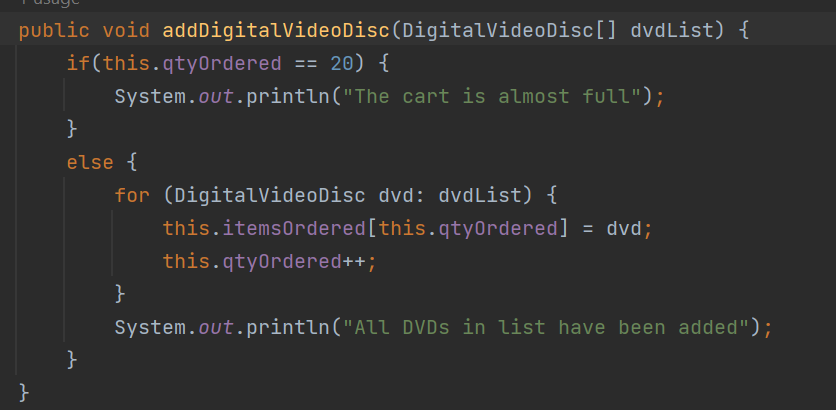
Description automatically generated with low confidence



Ex2:

A picture containing text, screenshot, font, number

Description automatically generated



A screenshot of a computer

Description automatically generated



A screenshot of a computer program

Description automatically generated with medium confidence

Ex3:

A picture containing text, screenshot, font, number

Description automatically generated

A screen shot of a computer program

Description automatically generated with low confidenceA screen shot of a computer

Description automatically generated with medium confidenceA screen shot of a computer

Description automatically generated with medium confidence

A picture containing text, font, screenshot, typography

Description automatically generated

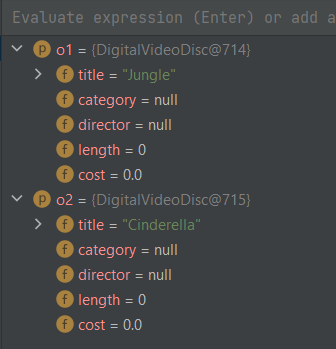
Ex4:

A screen shot of a computer

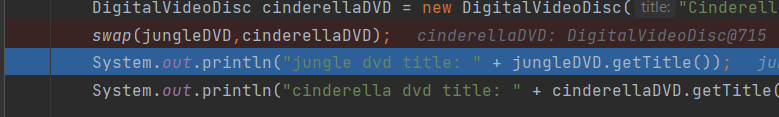
Description automatically generated with medium confidenceA screenshot of a computer program

Description automatically generated with medium confidence A screenshot of a computer

Description automatically generated with medium confidence

 A screenshot of a computer program

Description automatically generated with medium confidence A screenshot of a computer program

Description automatically generated with medium confidence  A screen shot of a computer

Description automatically generated with low confidence A picture containing text, font, screenshot, typography

Description automatically generated

Ex5:

A picture containing text, screenshot, font

Description automatically generated

A screen shot of a computer code

Description automatically generated with low confidence

A picture containing text, screenshot

Description automatically generated A screen shot of a computer program

Description automatically generated with medium confidence

A black screen with white text

Description automatically generated with low confidence

Ex6:

A screen shot of a computer code

Description automatically generated with medium confidenceA picture containing text, screenshot

Description automatically generatedA screenshot of a computer program

Description automatically generated with medium confidenceA screenshot of a computer program

Description automatically generated with medium confidence A screen shot of a computer

Description automatically generated with medium confidence A screenshot of a computer program

Description automatically generated with medium confidence

Ex7:

A screenshot of a computer program

Description automatically generated with medium confidence A screenshot of a computer program

Description automatically generated with low confidence A screen shot of a computer

Description automatically generated with medium confidence

Ex8:

A screenshot of a computer program

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated

Ex9:

* String concanation

A screen shot of a computer program

Description automatically generated with medium confidence

A screen shot of a computer

Description automatically generated with low confidence

* Garbage creator

A screen shot of a computer program

Description automatically generated with medium confidence

A screen shot of a computer

Description automatically generated with medium confidence

* GarbageCreater hang for a long time and can not run successfully.

A picture containing text, screenshot, font

Description automatically generated

A black background with white text

Description automatically generated with low confidence

* Garbage creater can run immediately after 236ms.
* GarbageCreater run slower than StringBuilder, but it took only 712ms.

NoGarbage

A screen shot of a computer program

Description automatically generated with low confidenceA picture containing text, font, screenshot, design

Description automatically generated

GarbageCollector take longer than 5s so it was terminated.

Ex10:

A screen shot of a computer

Description automatically generated with medium confidenceA picture containing text, screenshot, font

Description automatically generated

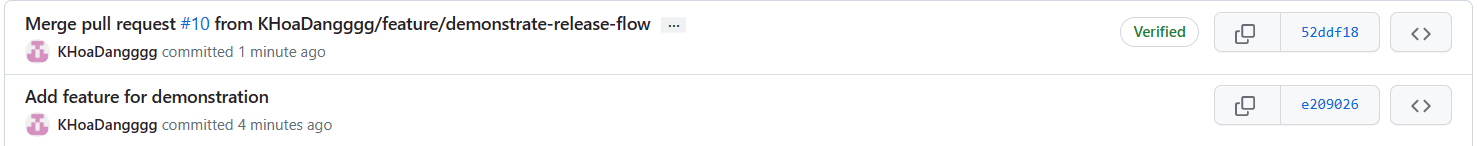
A screenshot of a browser window

Description automatically generated with low confidence

* A screenshot of a computer

  Description automatically generated with low confidenceA screenshot of a computer

  Description automatically generated with medium confidenceA screenshot of a computer

  Description automatically generated with low confidence
* **Final branch: release/lab03**

**A screen shot of a computer

Description automatically generated with low confidenceA picture containing text, screenshot, font

Description automatically generated**

* **User case diagram:**

A picture containing diagram, screenshot, text, drawing

Description automatically generated

* **Class diagram:**

**A picture containing text, diagram, plan, screenshot

Description automatically generated**