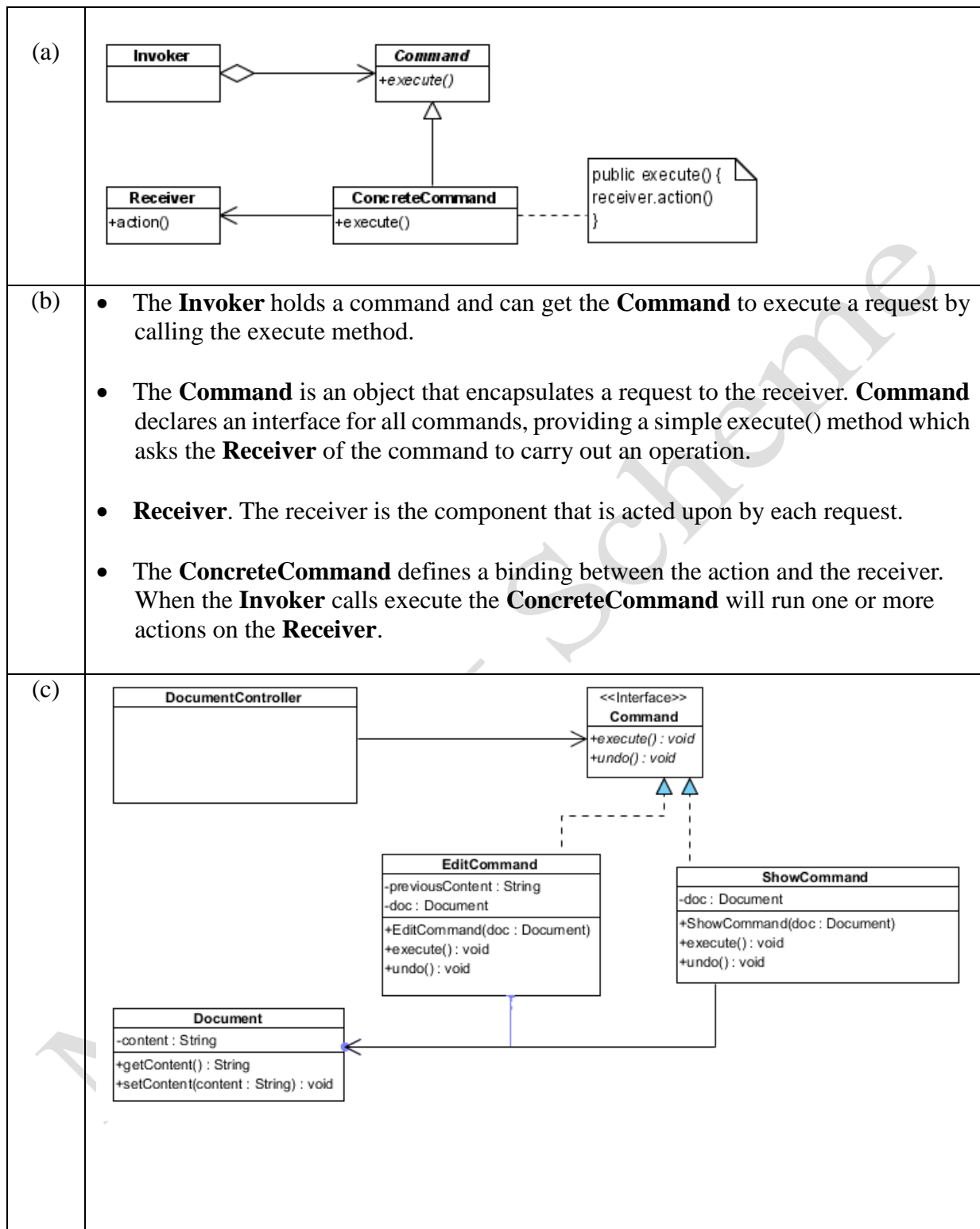


Supplementary Exercise on Command Pattern



(d)

```
public interface Command {
    public void execute();
    public void undo();
}

public class EditCommand implements Command {
    private Document doc ;
    private String previousContent;

    public EditCommand (Document doc){
        this.doc = doc;
    }
    public void execute() {
        // save previous content
        previousContent = doc.getContent();
        // get new content
        Scanner s = new Scanner(System.in);
        System.out.println("Please input your content");
        String value = s.nextLine();
        doc.setContent(value);
    }

    public void undo() {
        doc.setContent(previousContent);
    }
}

public class ShowCommand implements Command {
    private Document doc ;

    public ShowCommand (Document doc){
        this.doc = doc;
    }
    public void execute() {
        System.out.println("The current content is "+
                           doc.getContent());
    }
    public void undo() { }
}
```