

Names: Paula #17

Peter #18

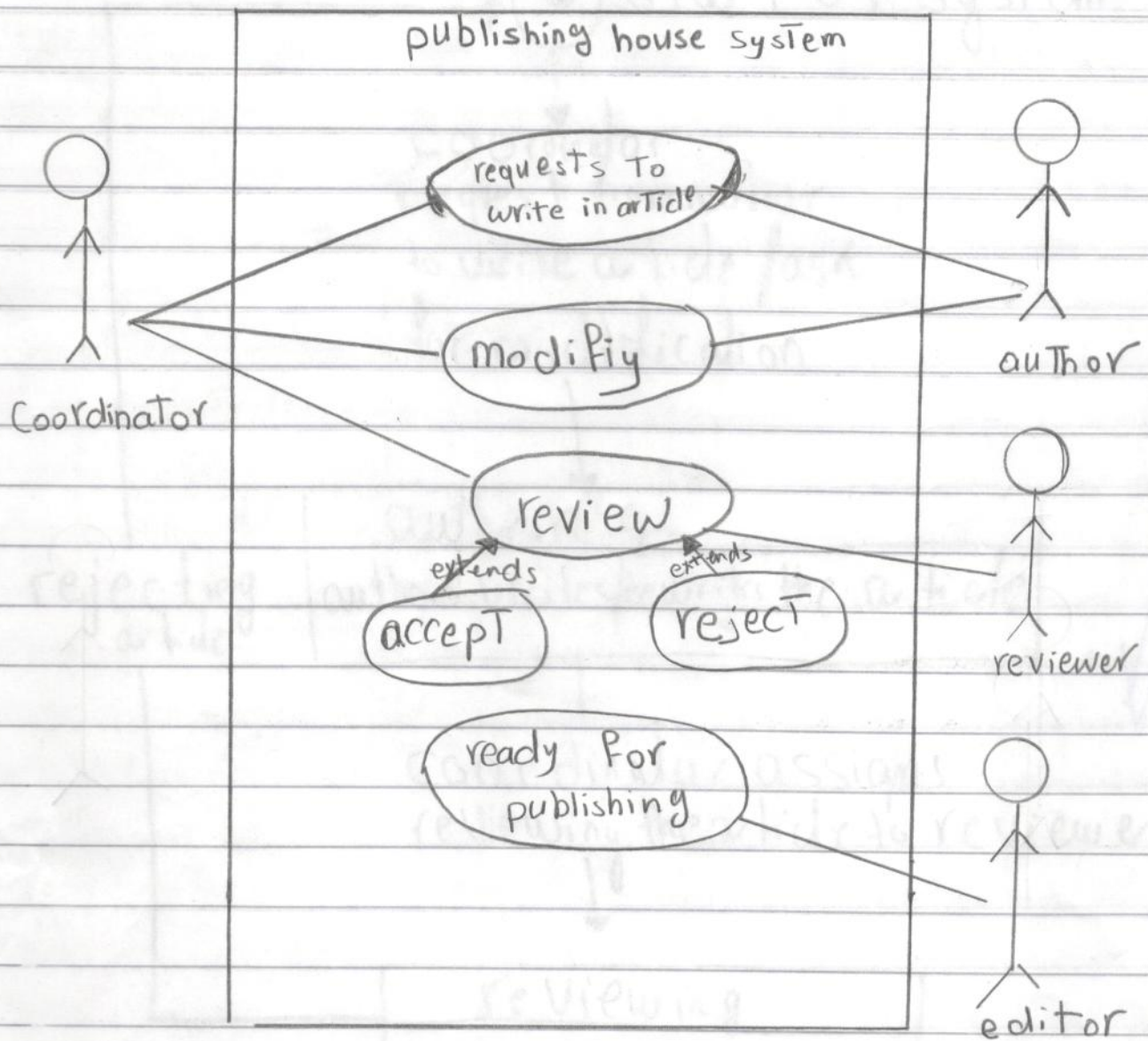
Mark Philip #48

Mark Mambau #49

Exam 2007

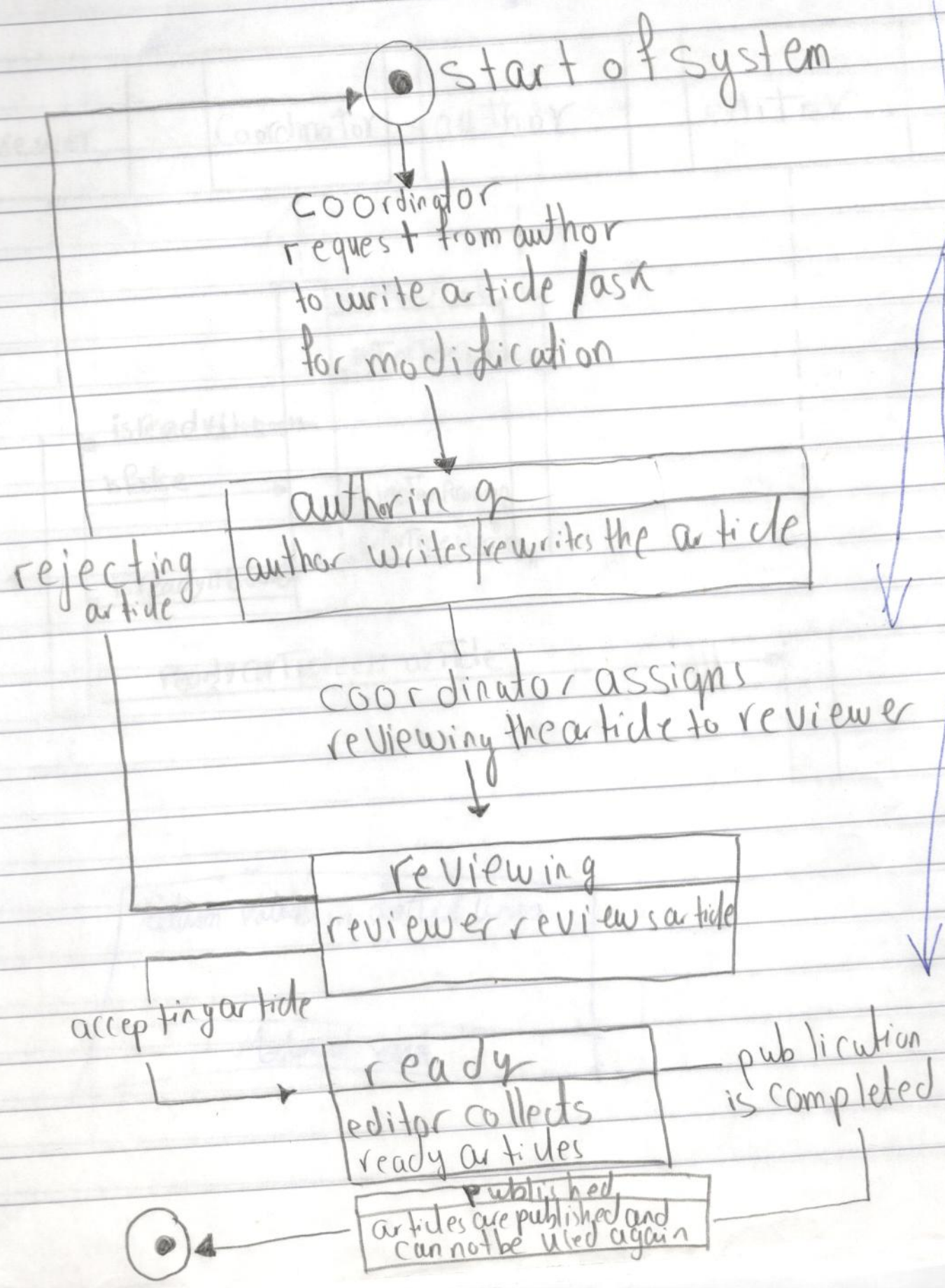
B⁺

Question [1] :

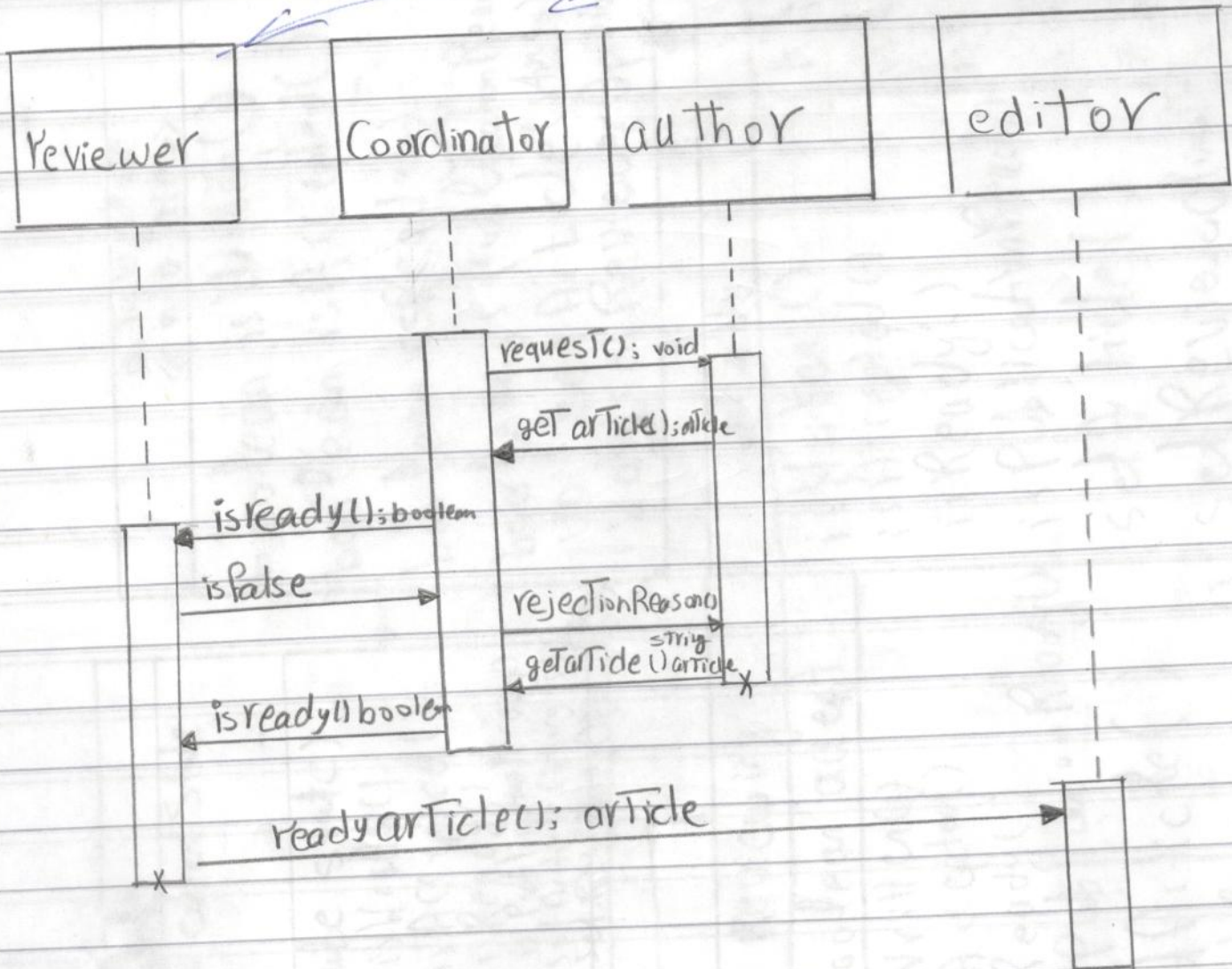
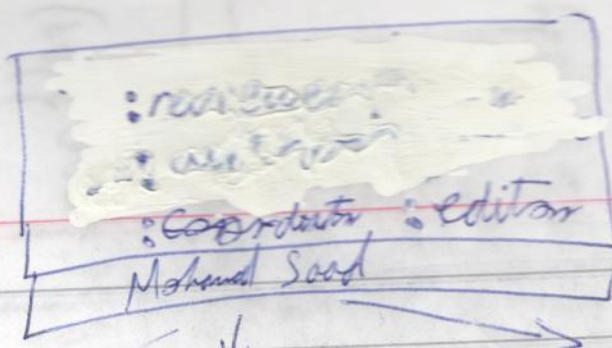


Here you miss
the action
event / action
Mehmed Saad

Question 2%



Question 3:

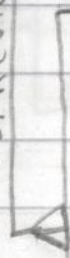


Return Value in dotted lines

Mohamed Saad

Question 4%

Current State	
- Authoring - Ready	- Current State
- Reviewing - Published	
- set State (article state state)	
- get authoring state()	- is Written()
- get Reviewing State()	- is Accepted()
- get Ready State()	- is Ready()
- get Published State()	- is Publication Ready()
	- set Article (String s)
	- set Reviewing Opinion (flag)



authoring	Reviewing
- string article	- boolean accept
is Written()	is Written()
is Accepted()	is Accepted()
is Ready()	is Ready()
is Publication Ready()	is Publication Ready()
set Article()	set Article()
set Reviewing Opinion()	set Reviewing Opinion()

article state ← interface →
boolean isWritten()
boolean isAccepted()
boolean isReady()
boolean isPublicationReady()
void setArticle(String s)
void setReviewingOpinion(boolean flag)



Ready	Published
is Written()	is Written()
is Accepted()	is Accepted()
is Ready()	is Ready()
is Publication Ready()	is Publication Ready()
set Article()	set Article()
set Reviewing Opinion()	set Reviewing Opinion()

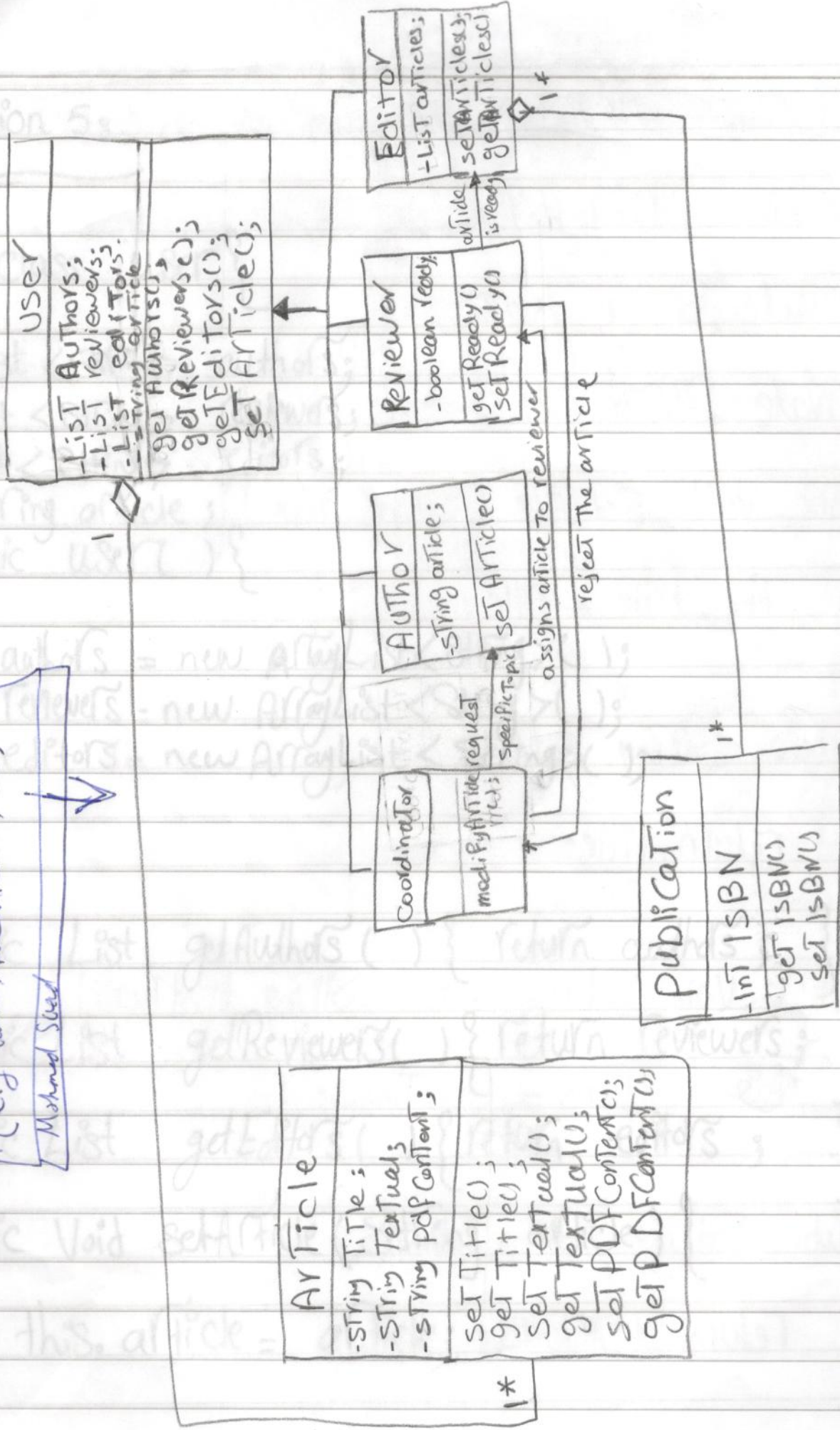
Don't repeat
inherited methods

Mohamed Saad

Question 5:

There are multiple relations between Article & User (e.g. author, reviewer, ...)

Mohamed Saad



* Question 5:-

```
Public class user{
```

```
    List <String> authors;  
    List <String> reviewers;  
    List <String> editors;  
    String article;  
    Public user() {
```

```
        authors = new ArrayList<String>( );  
        reviewers = new ArrayList<String>( );  
        editors = new ArrayList<String>( );
```

```
    }
```

```
    Public List getAuthors( ) { return authors; }
```

```
    Public List getReviewers( ) { return reviewers; }
```

```
    Public List getEditors( ) { return editors; }
```

```
    Public void setArticle( String article ) {
```

```
        this.article = article;
```

```
    }
```

```
Public class Article{
```

```
    Private String title;
```

```
    Private String textTuals;
```

```
    Private String pdfContent;
```

```
    Public void setTitle (String title){
```

```
        this.title = title;
```

```
    }  
    Public String getTitle ( ) {
```

```
        return title;
```

```
    }  
    Public void setTextTuals ( String textTuals) {
```

```
        this.textTuals = textTuals;
```

```
    }  
    Public String getTextTuals ( ) {
```

```
        return textTuals;
```



```
public void setPdfContent (String PdfContent) {
```

```
    this.pdfContent = PdfContent;
```

```
}
```

```
public String getPdfContent ( ) {
```

```
    return PdfContent;
```

```
}
```

```
}
```

```
public List getArticles ( ) {
```

```
    return articles;
```

```
}
```

```
}
```

```
Public Class Publication{
```

```
Private int ISBN;
```

```
Public void setISBN(int ISBN){
```

```
    this.ISBN = ISBN;
```

```
}
```

```
Public int getISBN() {
```

```
    return ISBN;
```

```
}
```

```
}
```



```
Public Class Editor extends User {
```

```
    Private List<String> articles;
```

```
    Public Editor ( ) {
```

```
        articles = new ArrayList<String>( );
```

```
    Public void setArticles (List articles) {
```

```
        this.articles = articles;
```

```
    }
```

```
    Public List getArticles ( ) {
```

```
        return articles;
```

```
    }
```

```
Public Class Reviewer extends User {  
    Private boolean ready;  
    Public Reviewer ( ) {  
        ready = False;  
    }  
    Public void SetReady ( boolean ready ) {  
        this.ready = ready;  
    }  
    Public boolean getReady ( ) {  
        return ready;  
    }  
}
```



```
Public class Author extends User{
```

```
    Private String article;
```

```
    Public Author( ) {
```

```
        article = " ";
```

```
    }
```

```
    Public void setArticle (String article) {
```

```
        this.article = article ;
```

```
    }
```

```
    Public String getArticle ( ) {
```

```
        return article ;
```

```
    }
```

```
}
```

```
Public class Coordinator extends User {
```

```
Public void modifyArticle ( ) {
```

```
User reviewer = new Reviewer ( );
```

```
reviewer.setArticle ( );
```

```
}
```

```
}
```

```
Public void setReady ( boolean ready ) {
```

```
this.ready = ready;
```

```
}
```

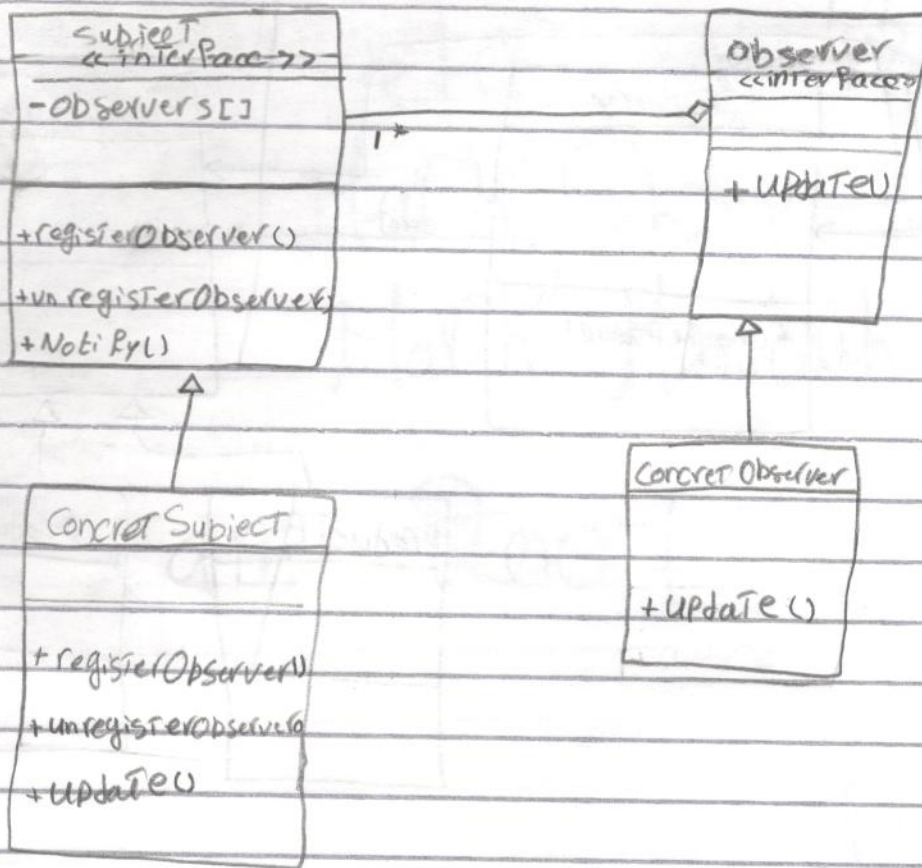
```
Public boolean getReady ( ) {
```

```
return ready;
```

```
}
```

```
}
```


Q6) a. Observer



b. Factory

