REACT.JS
News Portal

TECHNICAL PROJECT «NEWS PORTAL»

The project is a web-site, providing the work of users and 3 on-line publications.

The purpose of the site is to ensure the relevance of news published on the page on-line publications.

News reports are form by manual input or by the server.

The content of the site is dynamic information, which is stored as files in local storage, is selected using scripts on the client side.

HTML, CSS, ECMAScript2015 programming language and Reactjs graphics library should be used in project.
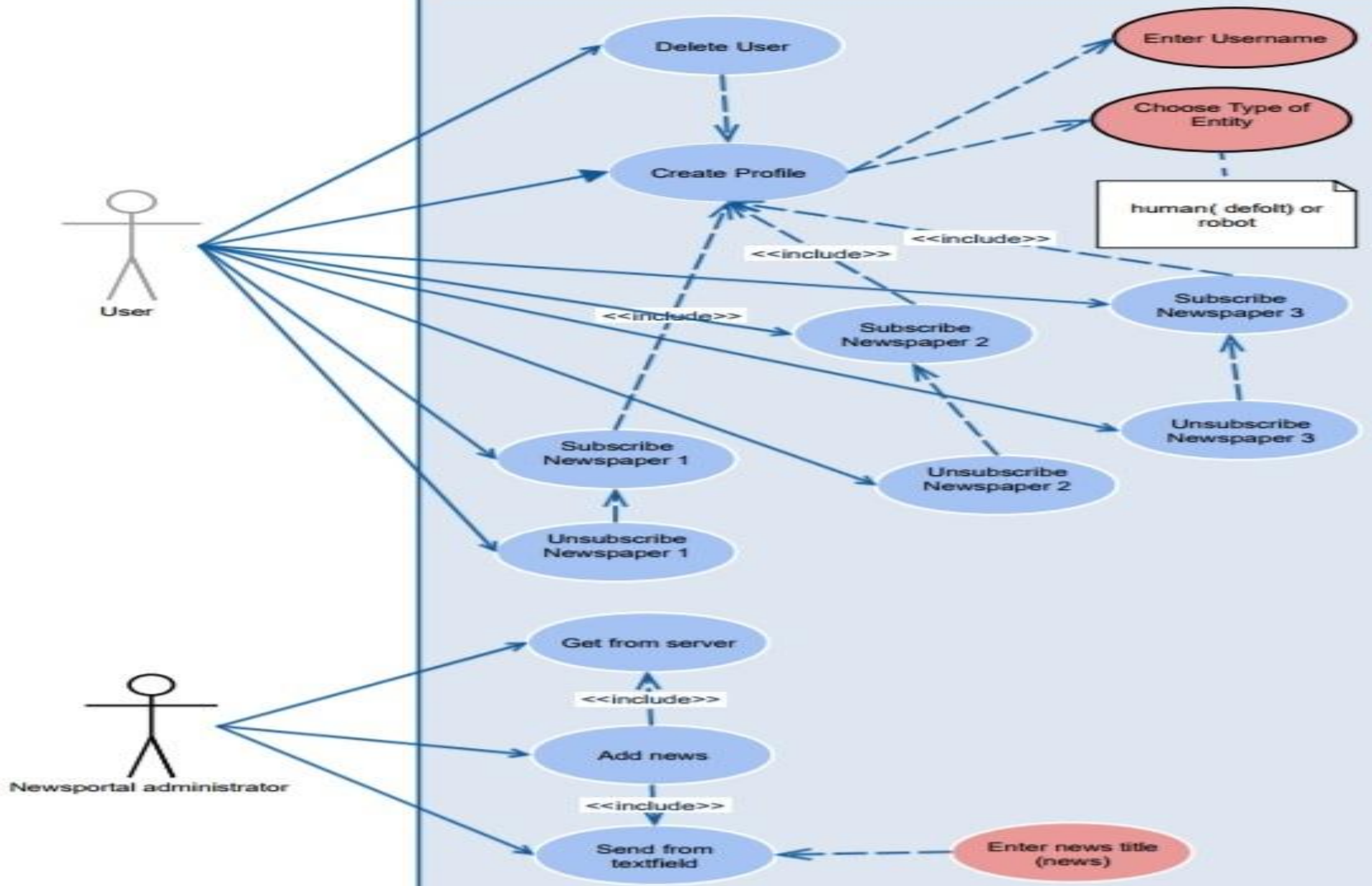
All scripts and site data should be placed on the client side.

Functional requirements

Architecture: MVC ;
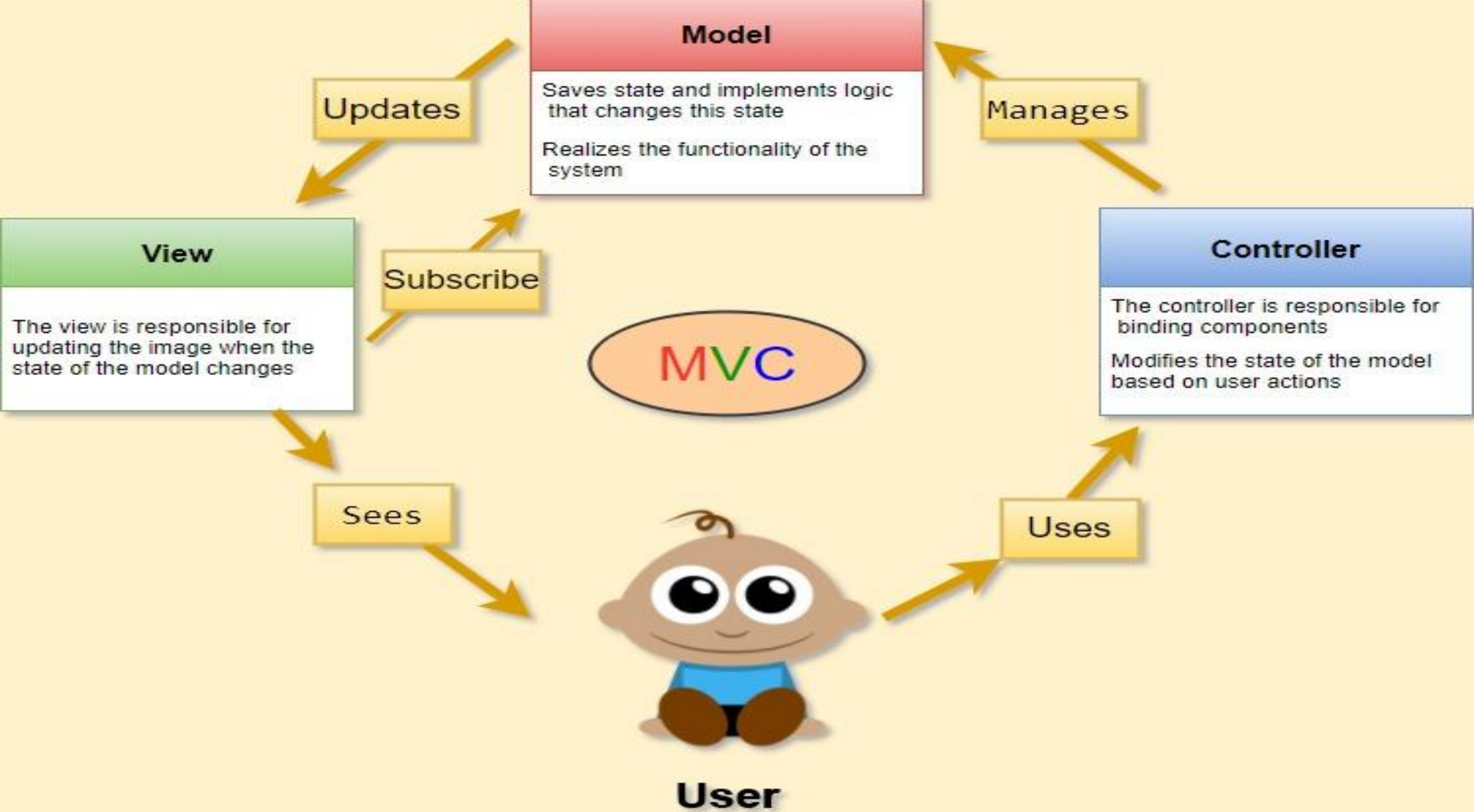Graphic Library: React.js ;
Syntax: ECMAScript 2015 ;
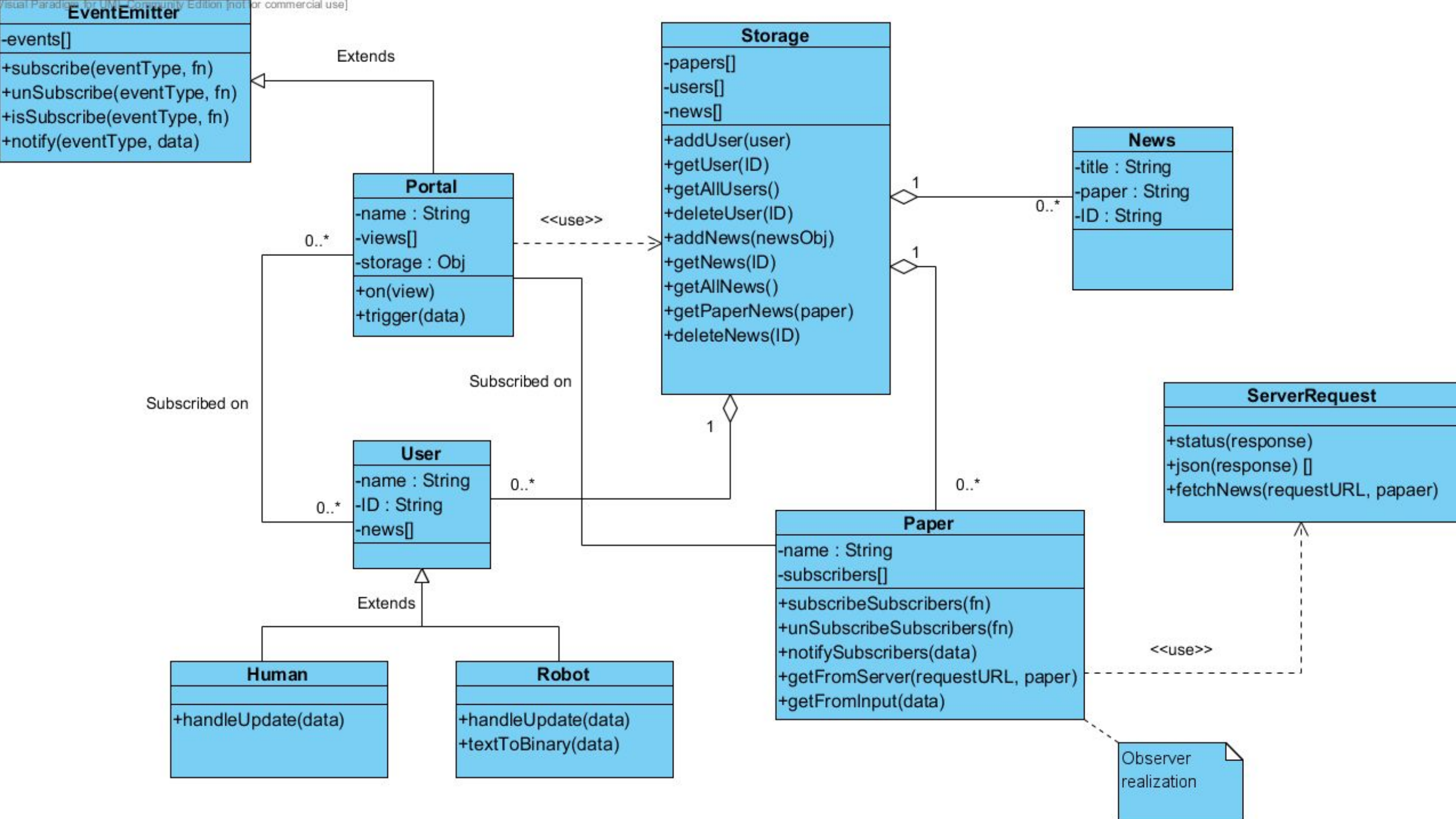Asynchronous: Optional ;

Non-functional requirements

- At least 3 data sources (one of them through the server)
- At least 2 different types of entity to receive data   (subscribers)
- Select data source (3)
- Add / Remove users
- Subscribe / Unsubscribe users

EventEmitter

-events[]

+subscribe(eventType, fn)
+unSubscribe(eventType, fn)
+isSubscribe(eventType, fn)
+notify(eventType, data)

Extends

Storage

-papers[]
-users[]
-news[]

+addUser(user)
+getUser(ID)
+getAllUsers()
+deleteUser(ID)
+addNews(newsObj)
+getNews(ID)
+getAllNews()
+getPaperNews(paper)
+deleteNews(ID)

News

-title : String
-paper : String
-ID : String

1

0..*

Portal

-name : String
-views[]
-storage : Obj

+on(view)
+trigger(data)

<<use>>

0..*

Subscribed on

1

Subscribed on

User

-name : String
-ID : String
-news[]

0..*

0..*

1

0..*

ServerRequest

+status(response)
+json(response) []
+fetchNews(requestURL, papaer)

Extends

Paper

-name : String
-subscribers[]

+subscribeSubscribers(fn)
+unSubscribeSubscribers(fn)
+notifySubscribers(data)
+getFromServer(requestURL, paper)
+getFromInput(data)

0..*

<<use>>

Human

+handleUpdate(data)

Robot

+handleUpdate(data)
+textToBinary(data)

Observer
realization

Controller

-model

+addNews(news)
+addUser(user)
+deleteUser(user)
+subscribe(paper, user)
+unsubscribe(paper, user)
+subscribeOnPpaper(papers)
+unSubscribeFromAllPapers(user)

⚛ React News Portal

The Guardian

1. nostrum quis quasi placeat

type news title...   SEND

GET FROM SERVER

The Independent

type news title...   SEND

GET FROM SERVER

New York Times

1. qui qui voluptates illo iste minima

type news title...   SEND

GET FROM SERVER

| | ROBOT ▾ | ADD USER |

USER   ✕

The Guardian	nostrum quis quasi placeat
The Independent	
New York Times	

BOT_BOT   ✕

The Guardian	1110001 1110101
	1101001 100000
The Independent	1110001 1110101
	1101001 100000
	1110110 1101111
New York Times	1101100 1110101
	1110000 1110100

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