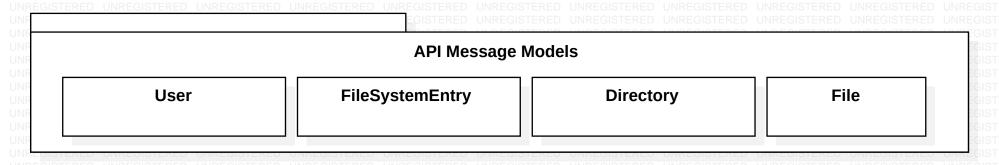
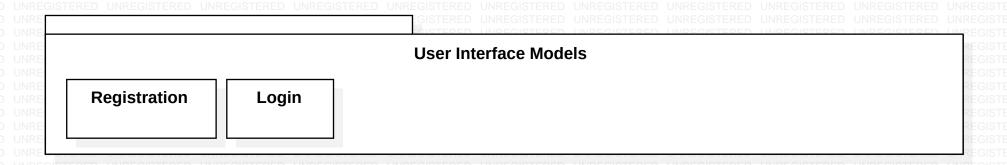


# System Architecture

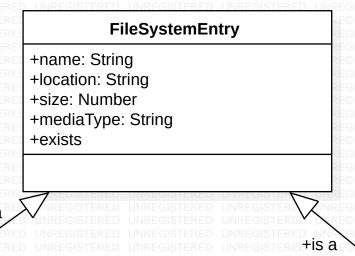
# **Overall System Models**





Business Models
PricingPlan
User

## **API Message Models**



File

#### User

+String

+secondName: String +email: String

+password: string +pricingPlan: PricingPlan

## **Directory**

+containsDirectories: Number

+containsFiles: Number

+contents: FileSystemEntry[\*]

## **User Interface Models**

## Registration

+firstName: String +secondName: String +email {id, unique}

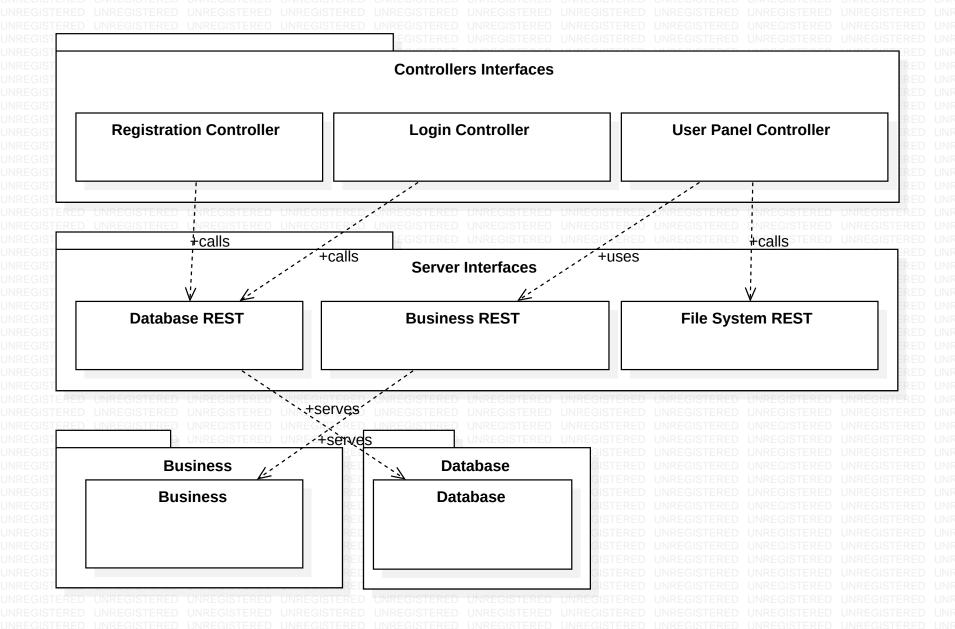
+password: String +passwordRepeat: String +pricingPlan: PricingPlan[1]

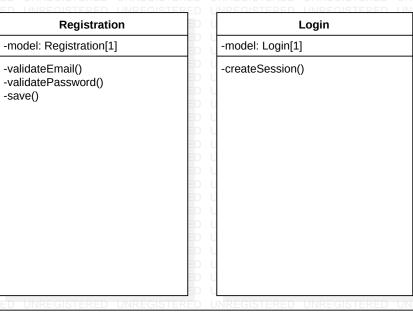
## Login

+email: String {unique} +password: String

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## **Overall Interfaces**





# -copyEntries() -cutEntries() -deleteEntry() -deleteEntries() -pasteEntries() -renameEntry() -createDirectory() -openDirectory() -previousDirectory() -reopenDirectory() -closeFile() -downloadFile() -openFile() -uploadFile()

# Controller Interfaces

## **REST Services Interfaces**

#### User

- +post(headers, user)
  +patch(headers, user)
  +delete(headers)
  +get(headers) {query}

### PricingPlan

+get(headers) {query}

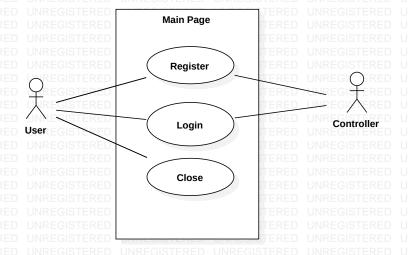
#### **FileSystem**

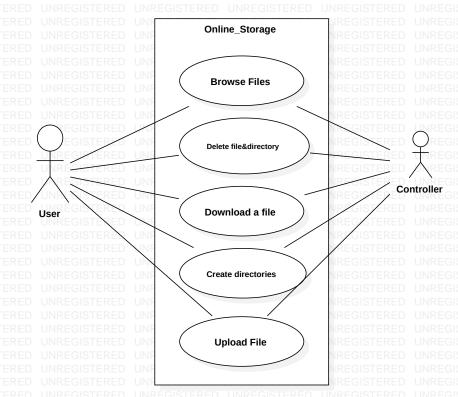
- +get(headers) {query} +post(headers, files = null, directories = null) +delete(headers, entries)
- +put(headers, entryPairs, keep = true)

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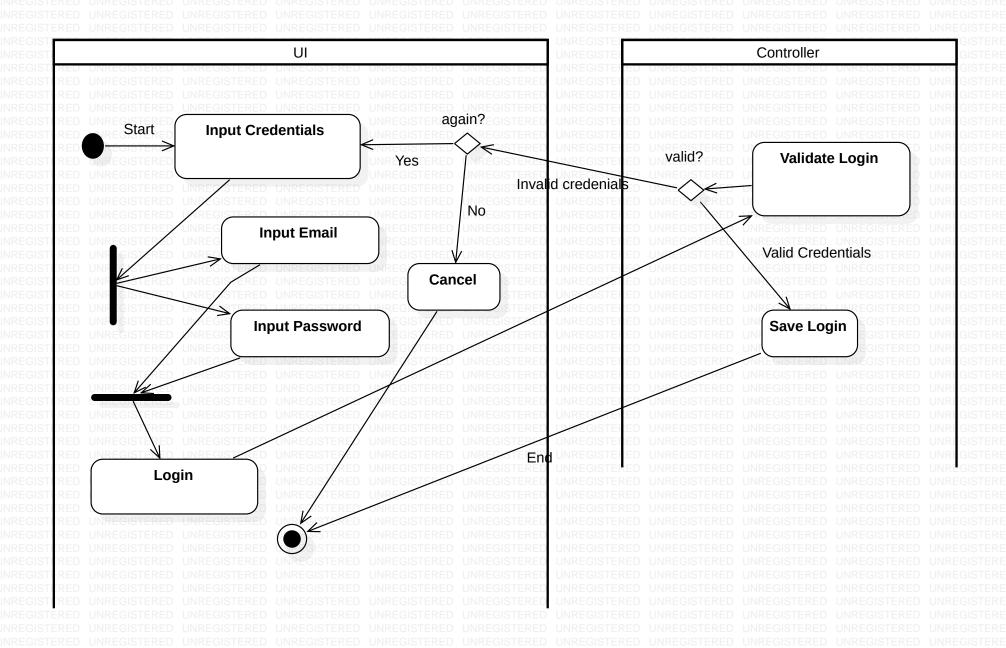
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Server API OnlineStorage +User: Class +FileSystemEntry: Class +Directory: Class +File: Class

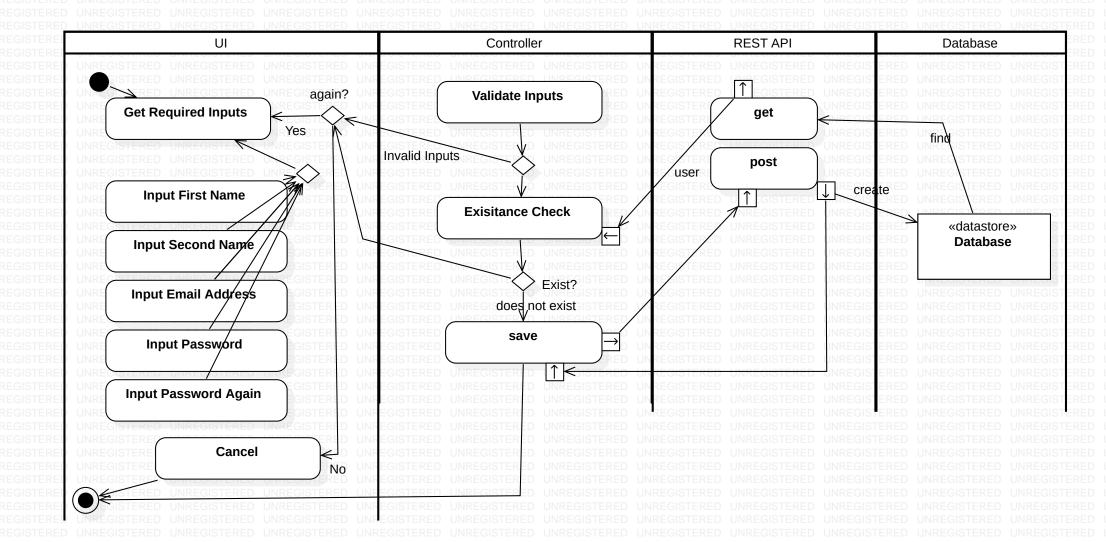




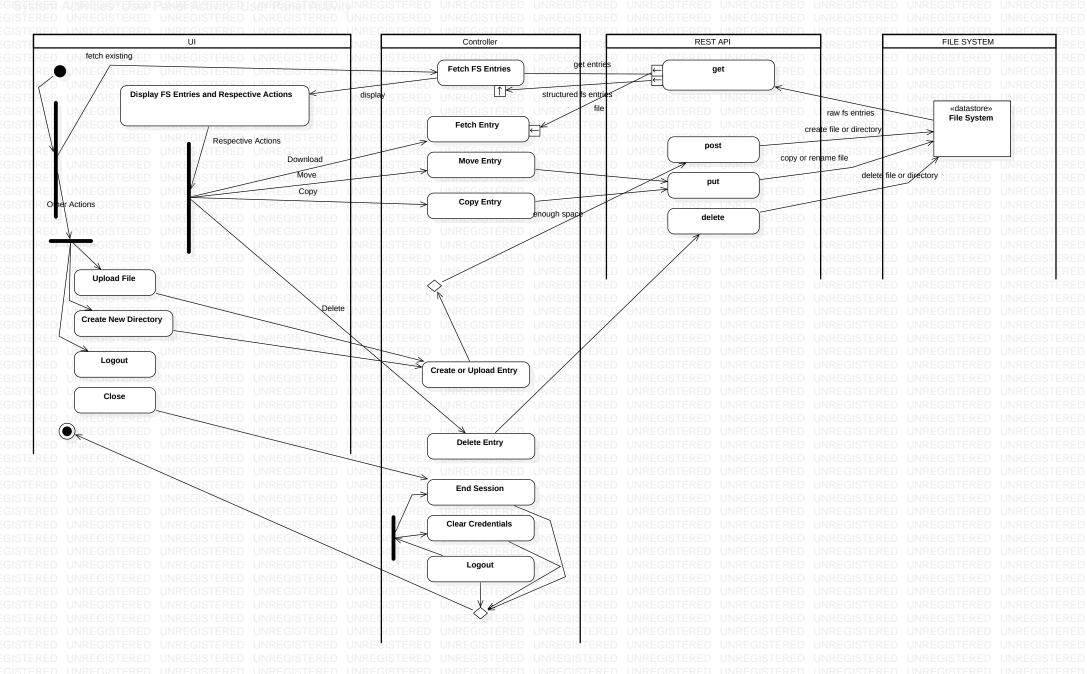
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**Login Activity** 



**Registration Activity** 



**User Panel Activities**