Group 1: COE 125 – B1 03/21/2018

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1. Client Requirements:

What our client wants us to make is a journal wherein she could address her personal experiences through writing and pictures chronologically arranged by date. The background to this proposal is that, since she just graduated, she wants to keep all the memories that she kept in her mobile device into her laptop since it is eating memory. She asked us to make it only available only to her laptop since she don't intend to share it to anyone else but with herself and her loved ones. She did not specify any security check so on our second interview we opened it up to her. These logs should be accessible by panning through by days, months, and years. The client also requests that the overall aesthetic should be as minimalistic as possible with a color palette revolving around black, white, and gray compared to the likes available at the market. In terms of functionality, she mentioned to include the ability to add photos for each entry she would create, she also mentioned adding hashtags to make it more personal. Since a journal should always be kept private, the group decided to add a PIN to prevent other people from prying into the client's personal entries.

2. Use Case Diagrams:

3. Activity Diagrams:

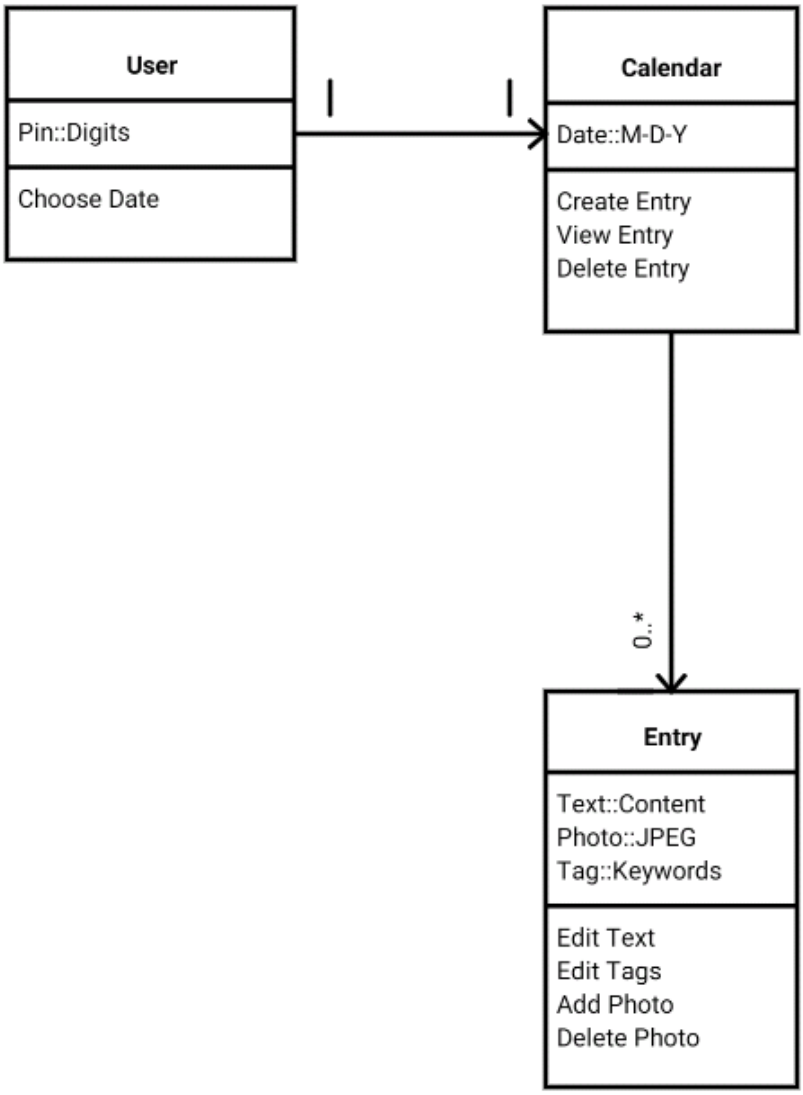
a.) Create New Entry -

b.) Edit Existing Entry -

c.) Delete Entry –

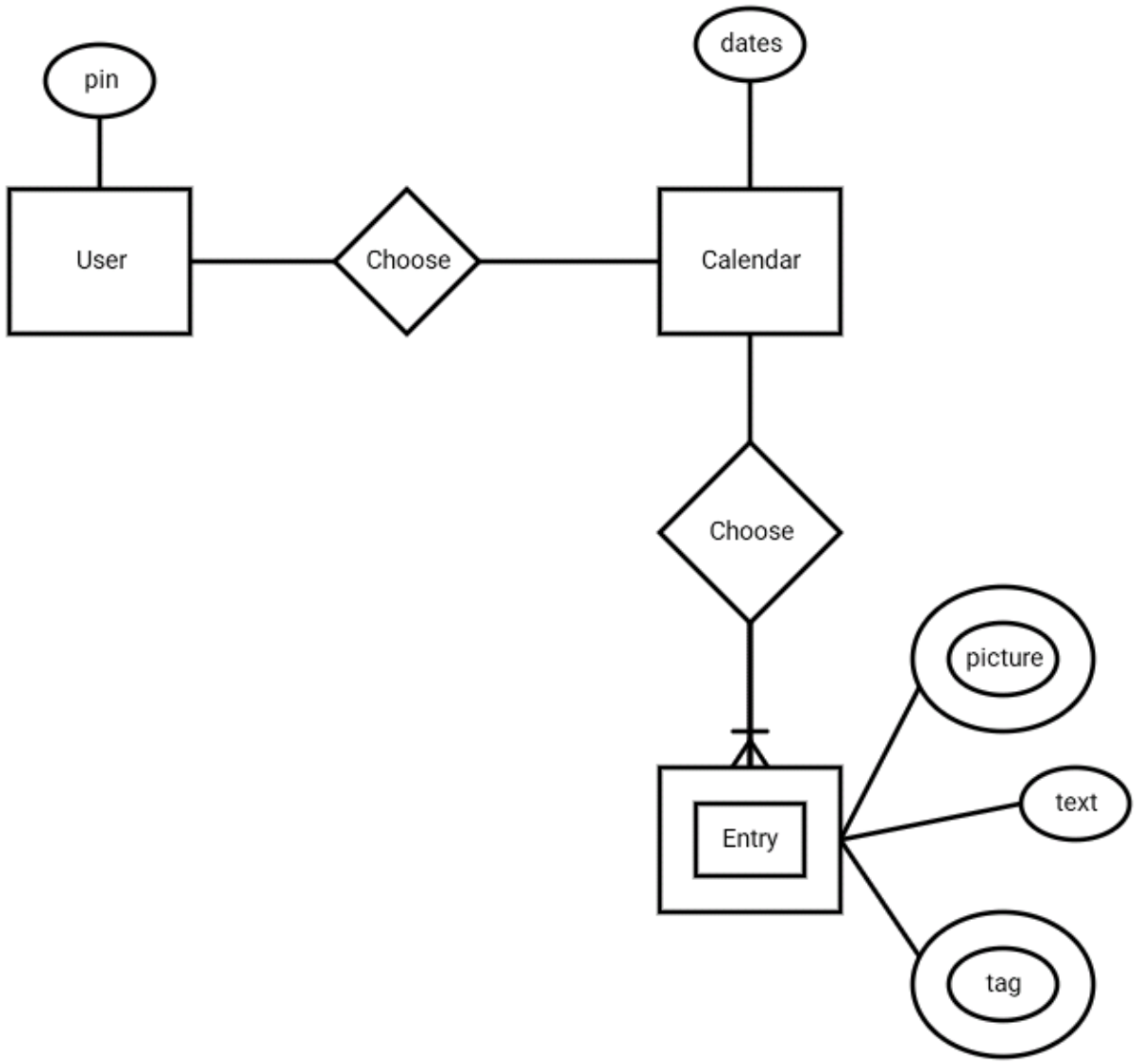
d.) Change PIN

4. Conceptual Class Diagram:



5. Class Diagram:

6. ERD:


pin
dates
User
Choose
Calendar
Choose
picture
Entry
text
tag

7. Unit Tests:

Class User : verifyLogin(inputPin)			
Condition	Input	Result	Message
inputPin incorrect	…(‘4567’)	return False	Incorrect PIN
inputPin are letters	…(‘abcd’)	return False	PIN should be digits
inputPin are characters	…(‘!@#$’)	return False	PIN should be digits
inputPin is empty	…(None)	None	None
inputPin is correct	…(‘1234’)	return True	None

Class User : changePin(oldPin, newPin, confirmPin)			
Condition	Input	Result	Error Message
Inputs are letters	…(‘abcd’,’abcd’,’abcd’)	return False	PIN should be digits
Inputs are characters	…(‘!@#$’, ‘!@#$’, ‘!@#$’)	return False	PIN should be digits
oldPin Incorrect	…(‘4321’,’1234’,’1234’)	return False	Old PIN incorrect!
newPin and confirmPin mismatch	…(‘1234’,’4321’,’5678’)	return False	PIN did not match!
Inputs are empty	…(None,None,None)	None	None
Inputs are correct	…(‘1234’,’4321’,’4321’	return True	PIN Successfully Changed!

Class Date : createEntry(txt,tgs,phts)			
Condition	Input	Result	Error Message
txt is empty	(‘ ‘,’#tag1’,’/home/user..’)	None	Entry cannot be empty!
tgs is empty	(‘sample text’,’’,’/home..’)	returns True	None
phts is empty	(‘sample text’,’#tag1’,’’)	returns True	None

Class Date : dateAvailability()			
Condition	Input	Result	Error Message
Selected date is in DB	self.day = selected_date	return True	None
Selected date is not in DB	self.day = selected_date	return False	None

Class Date: SendData(getWhat)			
Condition	Input	Result	Error Message
getWhat = ‘getText’	(‘getTexts’)	return db.text	None
getWhat = ‘getTags’	(‘getTags’)	return db.tags	None
getWhat = ‘getPhotos’	(‘getPhotos’)	return db.photos	None
other input	(‘testText’)	return None	None

Class Entry : addTag(tags,isEdit)			
Condition	Input	Result	Error Message
tags is different and isEdit is False	(‘[#test1]’,False)	self.tag.extend(tags)	None
tags is different and isEdit is True	(‘[#test1]’,True)	self.tag = tags	None
tags is same and isEdit is False	(‘[#yolo,#lolow]’,’False’)	self.tag = self.tag	None
tags is same and isEdit is True	(‘[#yolo,#lolow]’,’True’)	self.tag = self.tag	None