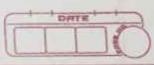
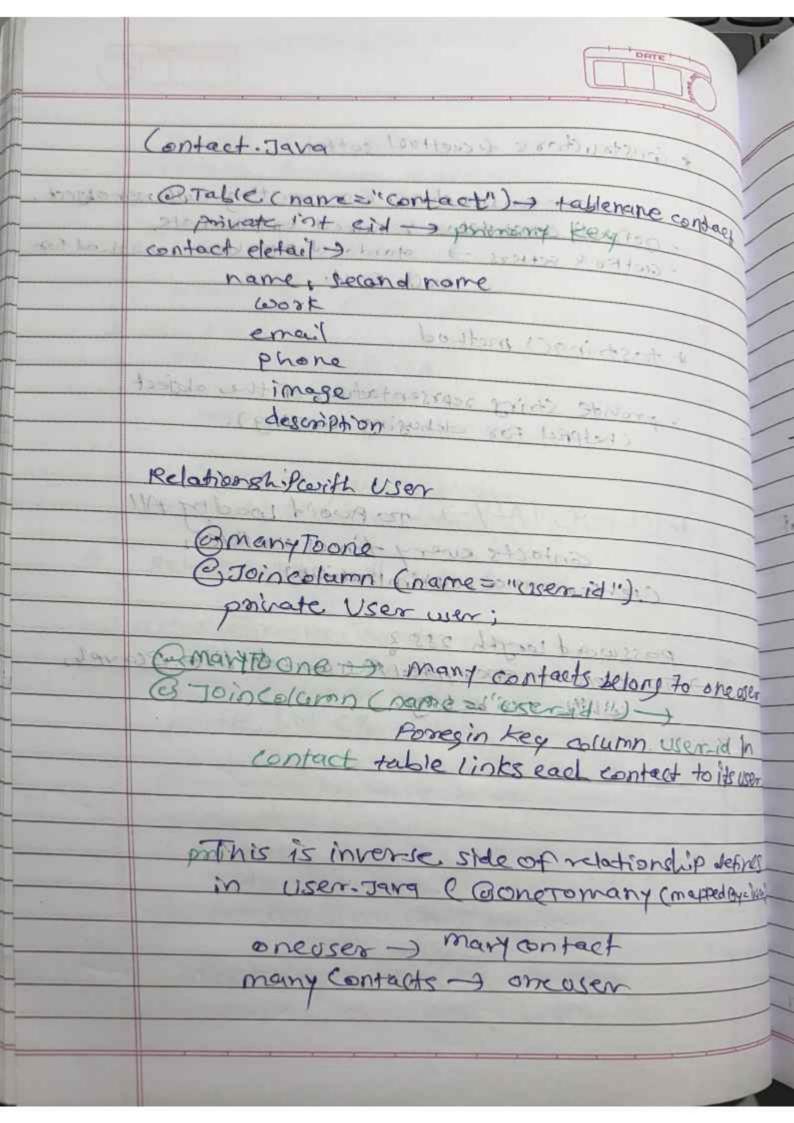
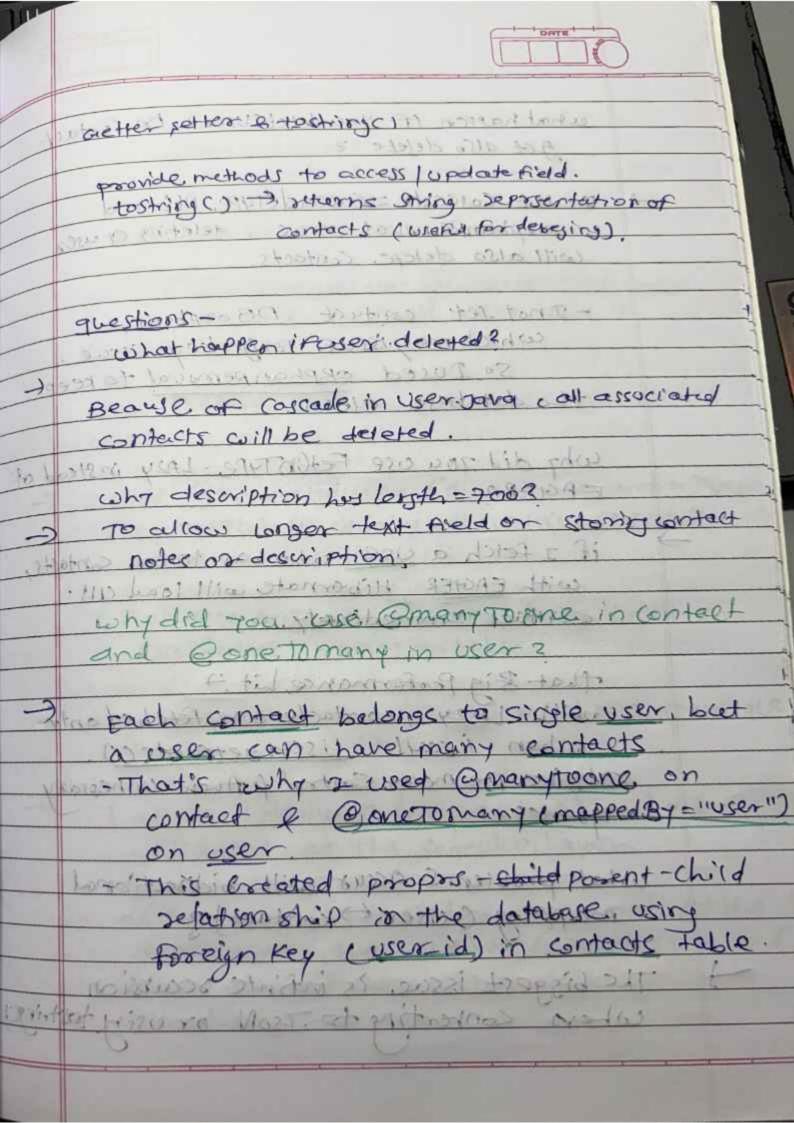
	phone Book SpringBoot project.
	entities - sons and straiges
	aldered posterior
-1	User. Java.
_12	THE STREET STREET STREET STREET
	BENTITY This class will be mapped to a database
	table (orm Hibanak /JPA)
	William () Surface I was take () Surface ()
	GTable (name = USER) - Table name will be
	USER in the database.
	(asate August) commissed
	and - marks this primary key column.
	1. ~ 1 1 - 1
	Garnerated vaute (straturgy = Generation Type Auto)
	-> Audo-senrate 70s
	id -> unique identifier for each user
	20 con a series south the analyse needs
计划分	BNot Blank > validation ifield can't empty or NWI.
	(" 1 - 20" - VALMER AND - PART - AND MARKET MARKET SALES LAND
Aug 1	Que con n=2, max=(5) -> Name must be beto 3415 chorad
(9)(2)	Myserica con Islantina Colombia 1 411 J. Maring
	name - user's display name.
100000	@Column (unique = true) - ensurc each email onque in DB
100	@NotBlank (message = "emailmed be required")
bolo	private String email;
militar	mudmin bassassa a les in entity
ESTI	(Prolumn (Loneth = 255) = set column size DB
	Golumn (Length = 255) = set column size DB. private String password;
-	

40 start touse it go do 2 of tome - 2011-1 private String Hole; private boolean enable; vole -> perines user's role eg - ROLE USER Q ME JOHN - - LEROLE ADMINION INT CHIEF TO enable - Account status Cactive I mactive private String name: 1 (Bcolumn (Length=500) private string about the about I description + Relationship with contact . - mines -1; GroneThrong (cacade = cascadeType All , Feth = Rethyp Lazy, marphed By = "User") controlled and suffering most be proposed as a section of the private. List (Borntact > contects= new Arraylist (70) · some a complete y desploy many Cascade = coscade Type All - any operation (save adolete) on over will also Apply to its contacts. Petch = PetchType. LAZY -> Contacts are Looded mapped by = "User" " Har Refers to the USER Ried contact entity. (Bidirectional mapping)

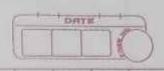


* Constructors & cuettor | setter 1. + solo - one user constructure for organing full werobject - Default constructor required by Hipomate. - GIETHER & SETTERS -) Standard Davabean method for reall field. * tostring() method DIAM NO - provide string representation of the object. (helpful for debuging / Lagging). Relationshiperthe 6500 FEECLTYPE LAZY -> TO Avoid Load 17 All contacts every times use feter (performance, optim (200tiph) · vary 8921/ ottovice * password leigth 255 ? -> TO support encrypted Palswords like Burypts which can be long. Fregin Ley alidmi were make links each contect to how mark ginterested of able of street in the state of action of the continues of tostad from (- x520 50.00 and a serie to stand value





what happen of you deretevser? to contact get also delete ? - I ret carcade = carcade Type, ALL and orphankernoval = true, deleting queen will also delege contacts. - Inot set contact DB orphonis, which may issue forign key issue So Dused orphan removal to keep the database clean ... contests will be detered. who did you use Fetenstype. Lary instead of EAGER 20 - Albert per per prosales price The colloca topper text. And on the or if I fetch a user who has loroog sontacts, with EAGIER Hibernate will load all. contact Immediately. that Big Proformance Lit :> with LAZY contacts are fetched only to when i goal Usen getconts () . It give mense Control & Awaid Unnessary " nozum - arborguenes mentoroma &) & fontras. what problems occur with bidiscotional marping (diser to contact)? Cartino Key & usen id in Contact of Table I The bisgest issue is infinte occursion when converting to JsoN or using tosting



wer to contact - suser of contact

I fix this by

on child side to Avoid user Rely in to string ().

what strategy did you users for ID gernation?

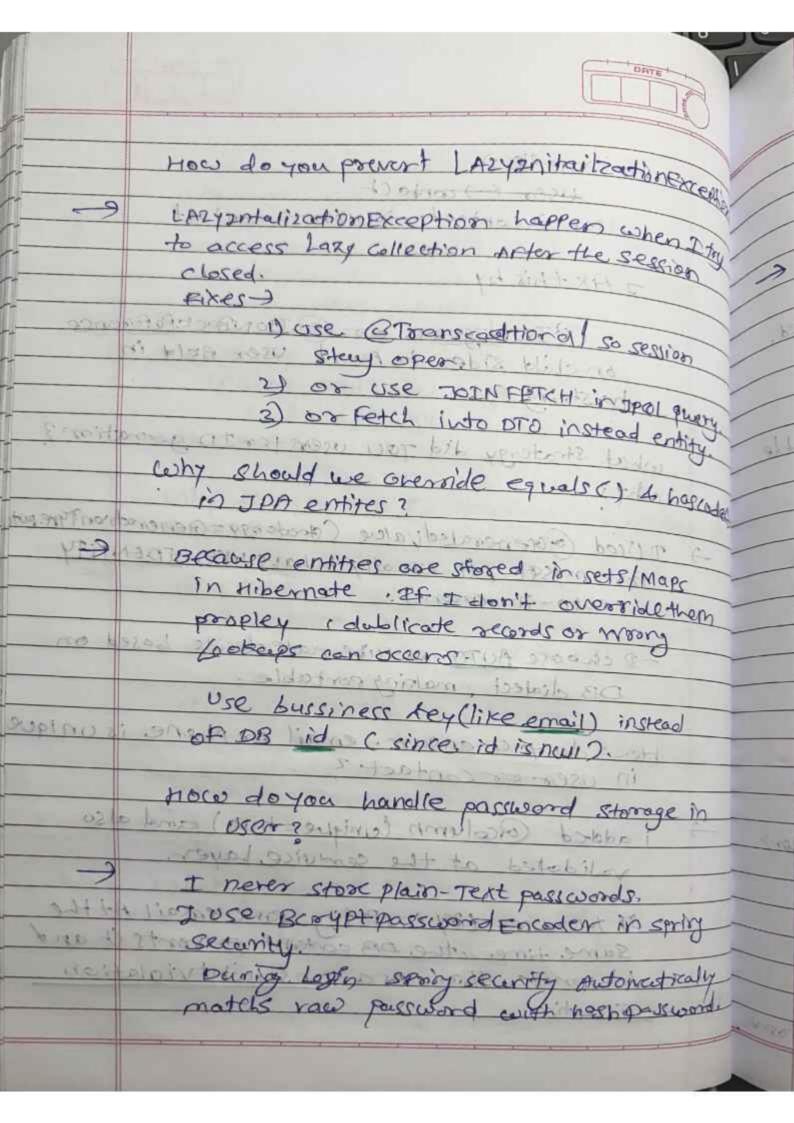
- I Used @Grenerated Value Correctorsy = Greneration Tyre puto for mysel, it would behave like SDENTITY (Auto-incorrent).

- De choose AUTO so Hibernate decide bosed on DB dialect, making partable.

How do you ensure email or phene is unique in user or contact?

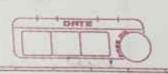
i added @column (unique = true) and also validated at the semuice Layer.

If two user toy inspring same email At the Same time, the DB content prevents it and tibernates throwns a constraint violation Esception.



If you send a user as I solv , cold happen to contact 53 DUETO - VIOLOGIA MOZIL without handing it can infinite loop because bidexchionor mapping. FIRST TOO BIT COURS Medical (Saire, Frolly) I solved by . Co+o oblos. 114 has - using @ Ison managed Reference on usersontact And assungactiverennee on contact user SO JSON sembulization work without reason what DB schemou is genneted for these two entity? == 2 minimoling sollies or indoor it has the noticed it activity Users - 2 id, name, emoil, possword contacts I id, name, email, phone user id (("lions") more) (4) sould productly with they some grater a Just 1917 agent to me extend about the food to the cappels one makes) professor to book of THE REPORTED PROVIDED LAND

Duo Contact Repository Java Shouther goods british and other This is use repository layor for content entry minuse for 1900 mohan shipo in 7191 " years 1) JPARAPOSITORY & Contact , Joseph 2 pariate & CVVD + pagination tombing 2) custom query with @ guery - sitting all contacts belonging to specific user Cosing Users of Erogin Fey). Jou age use JAGL Not sq -) It quine Contact entity, not table directly retained retain nine rough to book our 4) It return list konfact > meaning multiple constact per user Meson prestional and some longitude why do we use c. user id instead of Joinforg mannually with user table? -> Beause JPQL work with entiting and relationship since contact is mapped we directly user we directly Access C. Usenid . Spring ITPA will Automotically translate it into sel with proper JOIN. Later 15: difference between eller & Epil عال نعومان درال والمان و تعالمات



what is the difference betweenequery and spring bata JPA derived query method?

- Dervied queries - springData builds query based on nothed name (e.g. Bindbyemail (strangemail)

ex-User finalbyemail (string email);

what happen of no user found for given enwill

The method return null TO Avoid Nedlipointer
Exception you can corresp the result
in optional Kusery instead

optional cuseo7 Findbyemail (string cmail)

Coun ce use notive sql yumes here?

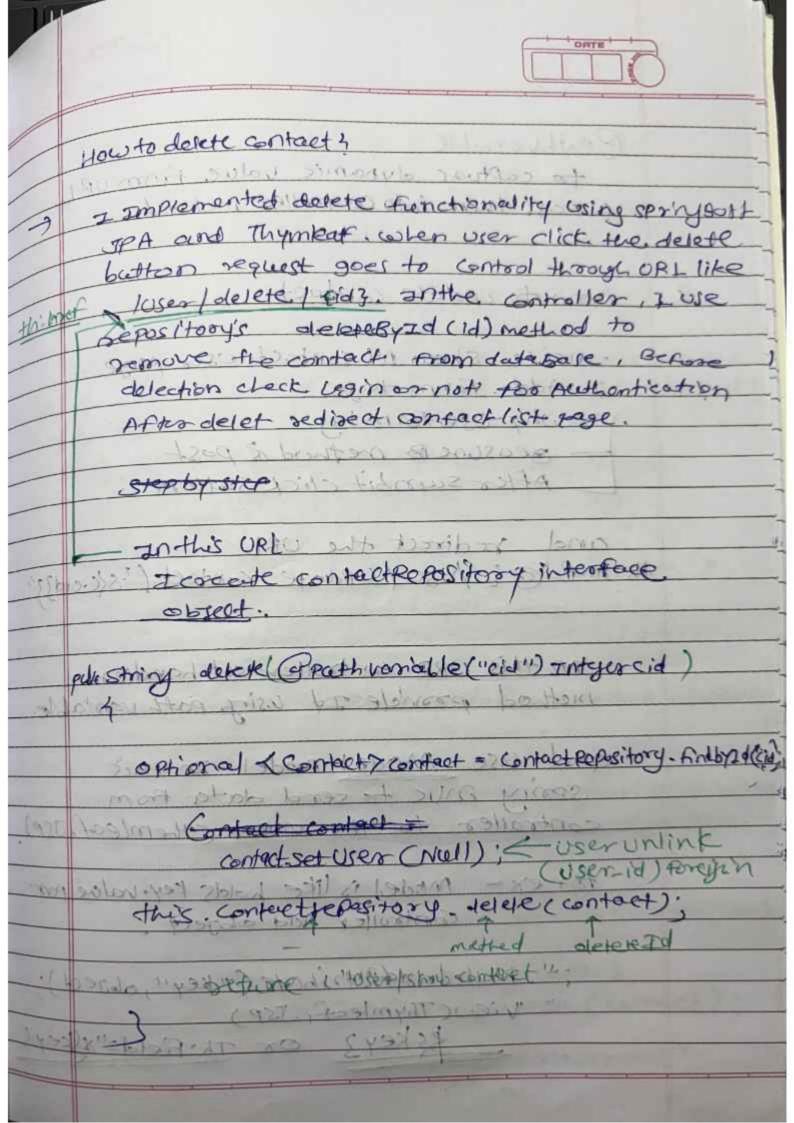
Greeny C value = "select of from user whose email = :email = :emai

What is difference between JPAL 45pl JPAL work with table & Columns

username - seneil. Duo. Userpepository - Java . 1) DPAREAUSHOTY < USER, JAHSSER ?) giver you all comp method (save Frolking) Section of the second of the s 2) @ query -) define autom spal query cosing entity name user, not the table name) tate De chance is general for the the getUsorRyUserName) custom Ander nethod to setrive a User by Heir email. contacts I it many court plant, plant, user 4) (3 Parm ("email") -) binds method parameter with query perameter questions why do we extend oppositionly tusen, Intyent Engled of writing pustom DAO cloges? JPA Repository provide built-in-crop, pay ination e sorting methods ordering Bioleoplate code DAO. - Sprig Date JPA genore Implementation Automit



what happen if the user was no contacts? 2 It will return emptylist, not null . This exect safely is Empty(). How would goe make their great paginated? Instead roturning List scontact 7, we can return a page scontacty. This allow Payingtion & sorting Altometically. can we use specific spring Days elemined query instead of Equery Tes, relationablip exist bet contact queen List (contact > findByusered (int usered)



Crathranicable - Atoptino stole who is to capture dynamic value from up, e pese them into controller method. * how to update contact of be use (115) become most in - Inside show All contect user page I Add form tage why ose form tag - seasure & method & post - After sumbit click Bletton and redirect the URL White th: mef="@ { //User/ update + contact ('skeciditi TA THIS URD controller set handres method provide Id using path veriable should and use model model in this spring muc to send data from controller to the view (themleaf, Jst) counded the action (mall) . for ex- Model is like holds key-value por Controller Add object. model add Artribute (" key", object); View (Thymleof, JSP) \$5 key 3 Or The Reld="Alkey



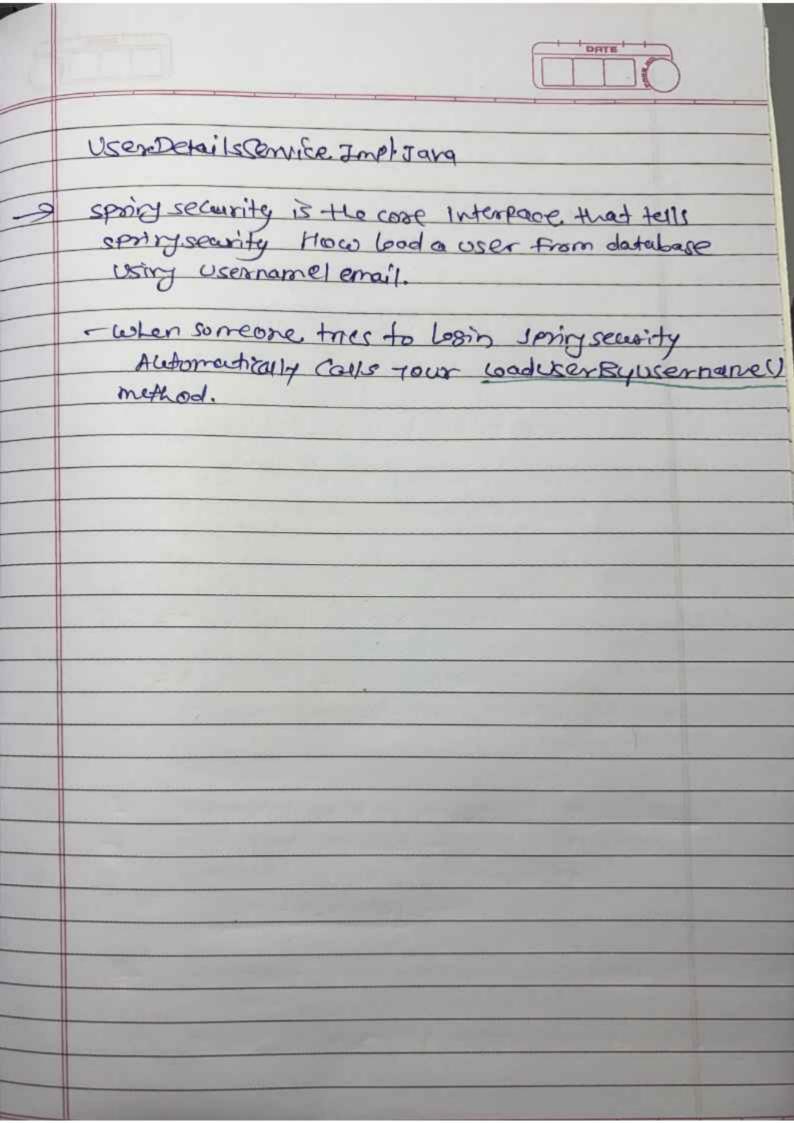
And return to operate page. core com In the controller setch update page pret Ailed its detail in an pupolate After edit a sumbit. on update page (Thymleappage Francis Contact to work of work g for m action="#" , th! method = "post" th: action = "@ Luser (process - and ode 3" + hiobject = 4 contact) encotype = "multipost/ Form-data" Itisused uplocating File , because it Allow both text and binary data to sent to the server. 1100 A1007 1713. 14 00 17 10 0 78 1 221 = -1211 + 121 of input this field = "Mady", type = "hidden"? observations & the thickens (Landens) to the Field =" * & name]" Access value in 11 Aftersoes incide controller process update public smy update (Enodel Hetterbute contact contact Principle 19). em stry name = prot Namec); user user = us-get-user/HameByuserName(nom) Contact contact set contact (user); this . contactrepository save (contact); seturn "normal/show-contact",

principled is separant consently bein user we can in the controller Fetch wername. (ID/email) & Authenticated usercan Lood doiter Steinty How to show contact to user? in soften the standard of the supply the - public Story show-content condel mi principals 3 "otoborous / Forest Commedato," - control maddAttribute ("titte", "smoot cont"). String & unam = p.getName(); User user = userscossitory. get usersyllogly unane List contact) contacts = this contact appoint Endleantact Sy user (user getid m. adol Attribute ("contacts") contots); . stein " normarshale contact" cappies study concert (Convade 14th 42 Etc. Contract Co The strip many competitiones the protection of the protecti (worte of set set contact (vice) this. (pritoctrops ites y some (comed at



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config Controm User Datail - Dava 115 - 115 -) an spring searity, the issenteteits interface used to represent Authorbicistion were I cocaded Custom User Derails to adopt User ed It provides spring security with wernamen (email), password, authorities (role) the method like is Enabled & is Account nowled Let control account status. This way spring security can Integrate directly with database user model. method - get gasswords get (semane () /remailset get boolean 13Acrosund NoNlockedo) " Fre to post 1820" another the " thouse about the come to the there Goolean is treated ntials NON Expired () 11 total password netopia boolean is Enabled () Dans ala bas - bas than soll true account pertin at his over all the save it to / Steelie / Prop / Users A. entertace whose till not proof total elle 1) Trymkat display forso with sime + tag





for chample of what the contact of contact

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i added @column (unique = true) and also validated at the service layer.

Same time it es DB content prevents it and tibesnates throwas a constresht violetion