Database and ERD

Database

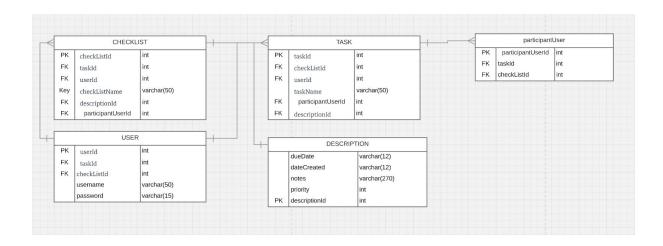
All the data will be stored and retrieved using the Firebase database which provides a real time database for users to sync data together.

Problem description - How will the data, task and checklist synchronize on different devices for every user?

-Whenever user adds new data, that data will be pushed into Firebase database and will simultaneously send out the data to all the other users linked with the same database. All the users will pull data from the database whenever they connect with the internet and will also be able to manually request to synchronize. When the user is not connected to the internet and make changes offline, Firebase will allow user to save changes locally in cache and it will push online when user connects online.

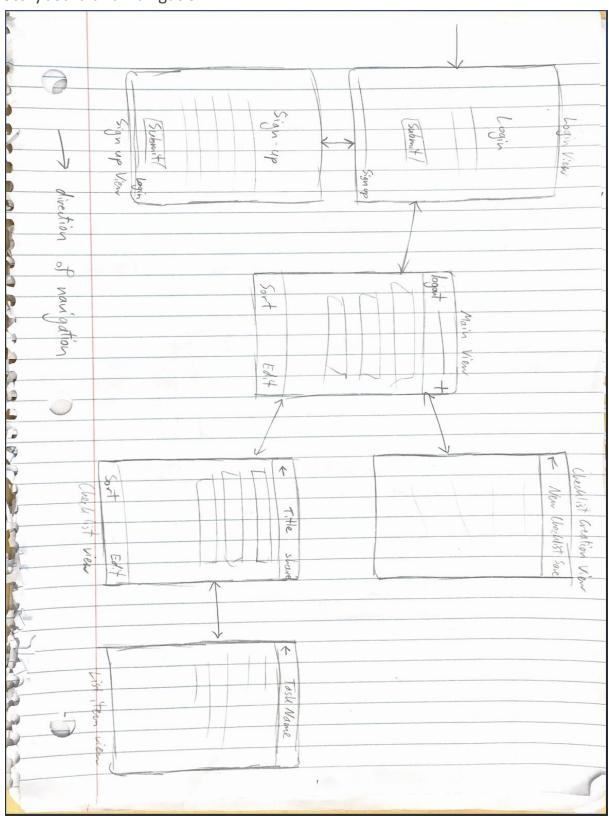
In a scenario when two users make a change in the taks or checklist, the data entered last will be pushed to all the users.

ERD

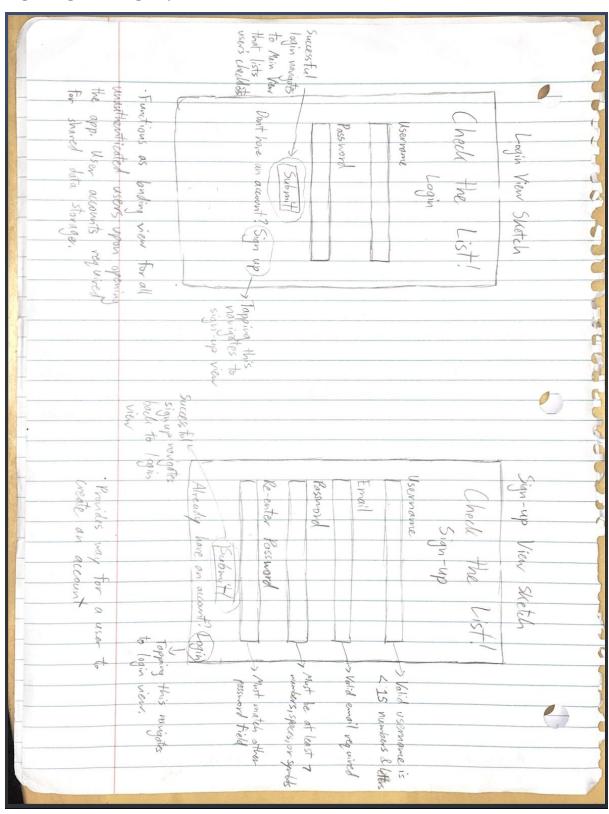


Interface and Front End Design

Storyboard and Navigation



Login Page and Sign up



Main page after login

- 5	- create checklist details - novigate away or accordion! - show checklist details - novigate away or accordion! - board vien (5 455 - Design for Project - Display all checklists for a user - Information shown: - list of all projects user vas/is a part of - For each project, show: - project name - deadline - whether completed or not - if not completed, percentage don - List sorted by emergence of deadline for not completed, and date completed for the completed projects (from most to least recent)		
	+ 1/4 1/10 , 3	Title	Add New Chedilist
	table View -> Sections: i) In Progress ii) Completed iii) Concelled	Completion: 80% [1] Pue: 8 Oct, 2018 Title Completion: 20% [1] Pue: 28 Oct, 2018	
)	,	Title (completed: 28 Sept, 2018 Due: 29 Sept, 2018 Title	Completed Slightly Greyed
		Ounpleted; 25 Sept, 2018 VI Oue: 26 Sept, 2018 Sort	Opers Accordion Style Sort Gy: -
	\ · ·	tons datamodel: - titles, deadlines, completed date, as other users task deletion allowed, as other users stead, a task cyn be concelled? I together under completed on vian red date completed / cancelled	uould wonder when

This page shows pre-existing checklist, the page which shows pre-existing task will be entirely same

Adding New Checklist and Task

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· New Checklist View	lav
Purpose: Create a new checklist and define that being the title, due date, a description, an participants if applicable	basic information,
Returns to Now Charletist Submit	20+ + 1
with no drange to the Title Text field	check list will be displayed
datamode Description	
text view	
Due Date date pider	
Participants D: Nome 1 Nome 2	
tap to add	
brigs up a textbox,	
eg. Enter usernang:	
over the view	

This page allows user to add new checklist. The user will be able to use the same page when adding new task with minor modifications.

User Cases -

