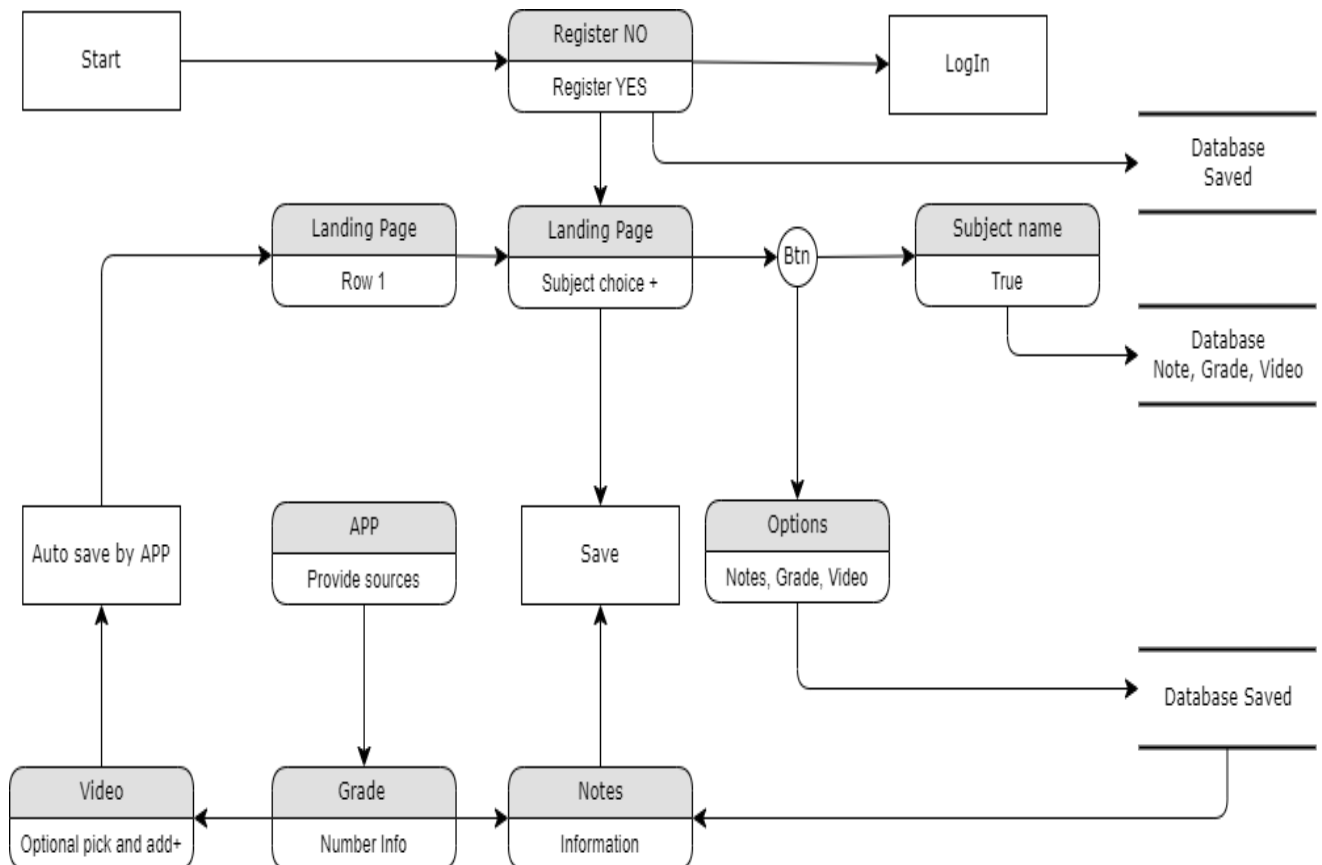


Criterion B: Design

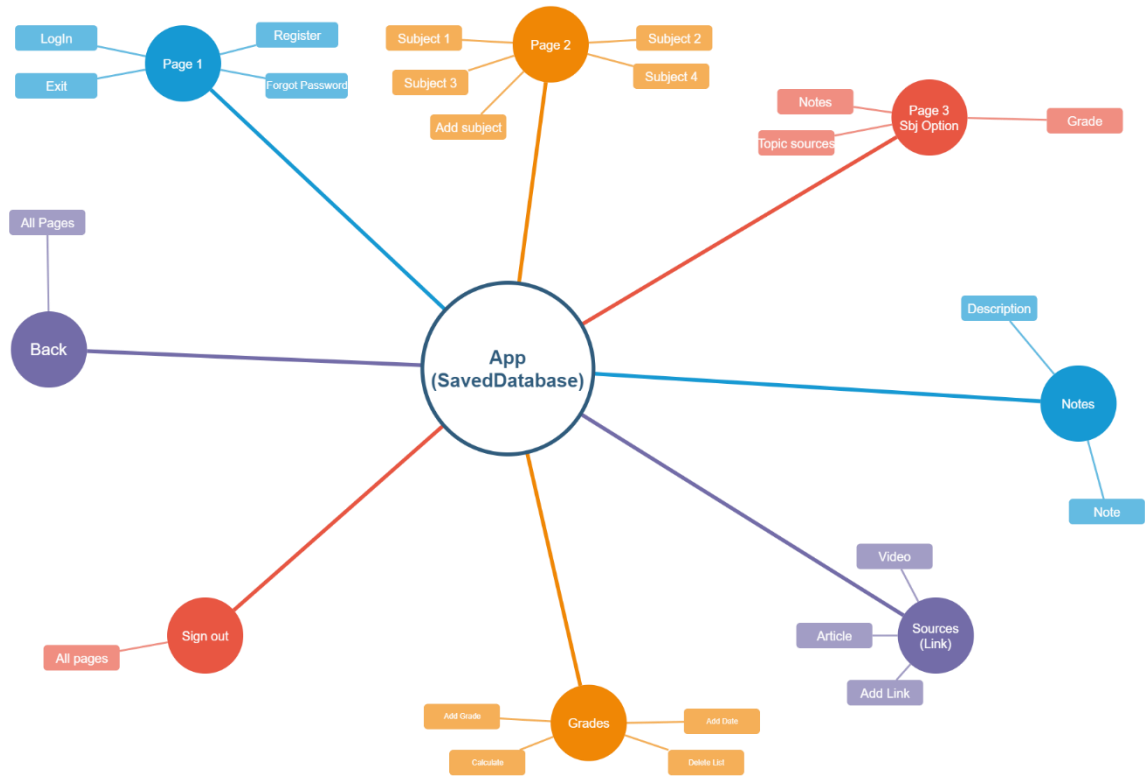
User Flowchart

The following flowchart shows the way user is going to operate the application



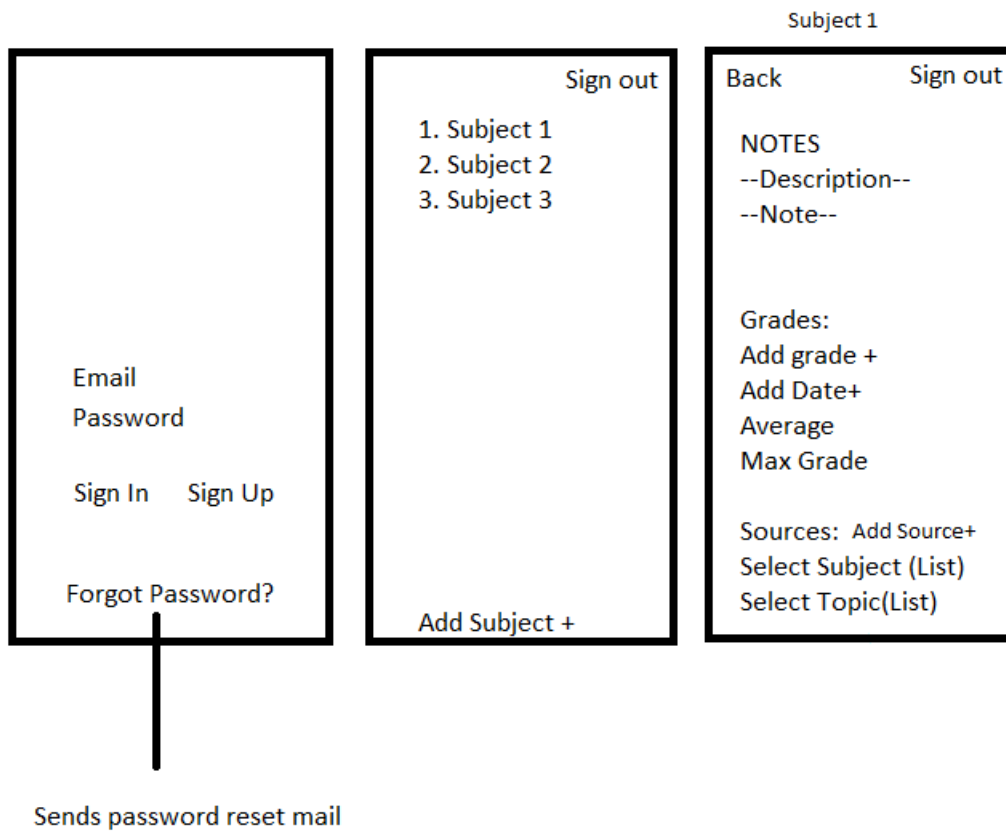
Subjects' options Flowchart

Demonstrates the inner part of subjects' options



Interface design prototype

Provides design part of application



Development plan

Create Firebase Firestore database

Add plugin to application

Create and connect firebase to app (both authentication and cloud firestore)

Write database information load and pick up code

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+ Start collection	+ Add document	+ Start collection
Todo	adc89555-924b-406a-b567-c0e5be665e1	+ Add field description: "df" name: "df" ownerId: "HhxLFs4o3Xg16yh3kSJyhP00E2I2" todoId: "adc89555-924b-406a-b567-c0e5be665e18"

Search by email address, phone number, or user UID					Add user	↺	⋮
Identifier	Providers	Created ↓	Signed In	User UID			
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gsjldj@gmail.com	✉	Feb 4, 2023	Feb 4, 2023	XHeNCs68X7VevtPSASLdfqID7Kw2			
123@gmail.com	✉	Feb 3, 2023	Feb 4, 2023	7yrBWQWtq2aiodjYCIHIASY11KF2			
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- **Create recycler view**

Recycler view for button to direct user after authentication

- **Develop a landing page**

Create three default list of subjects

Create add button where user can add subjects (max +3, total 6)

- **Develop three options for subjects**

Create another recycler view for second page

Get data from database – for added subjects

List three options – Notes, Grades, Sources (Video, Article link types)

Create Add – For Notes, Grades, Sources

Display and save – Notes, Grades, Sources in database

Test Plan

Test number	Description	Input information	Expected results
1	User must receive reset password email after clicking on a certain button on authentication page.	Press “forgot password” and enter registered email address.	Password reset email received after entering correct registered email address.
2	User can enter subject name and add it, which will be displayed by application and information will be stored in database.	Press Add button and type subject name.	Subject is successfully added and is displayed on screen after storing it in database.
3	After date and grade is entered in “Grade” section, calculations are outputted according to information entered	Enter date and grade.	User receives calculated information after entering grade and date in a box.

	and stored in database.		
4	“Notes” displays empty box where user can enter any text and save it.	Entered text is saved from the box after typing information and pressing “save”.	User is able to type any text information and save it with one button. Information must be saved in database and displayed on the screen.
5	Sources display according to subject topic where user can add them by themselves.	Press Add, enter link information.	User can add link information and save it. It is saved and displayed on the screen and stored in database.

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