Joseph Lopez
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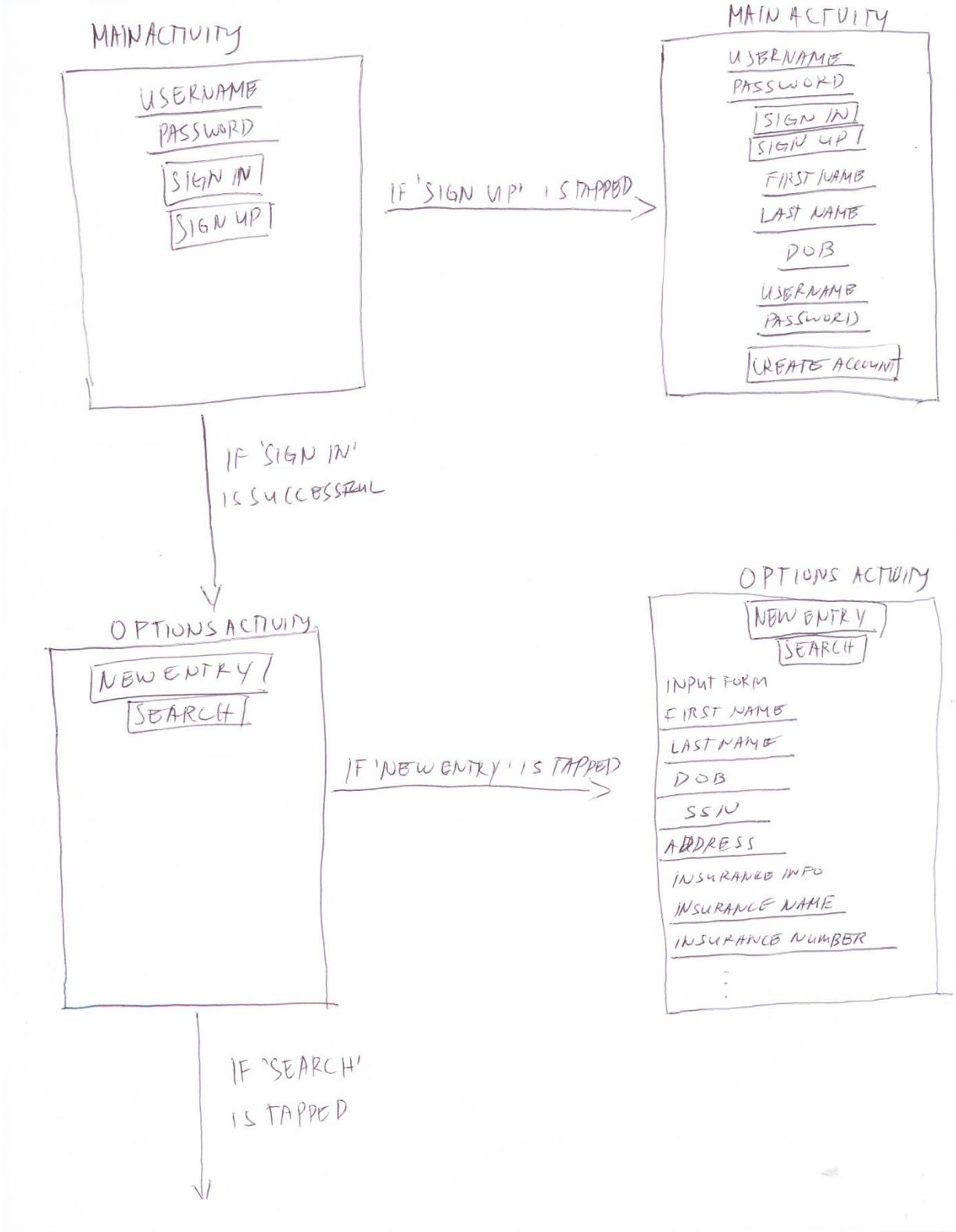
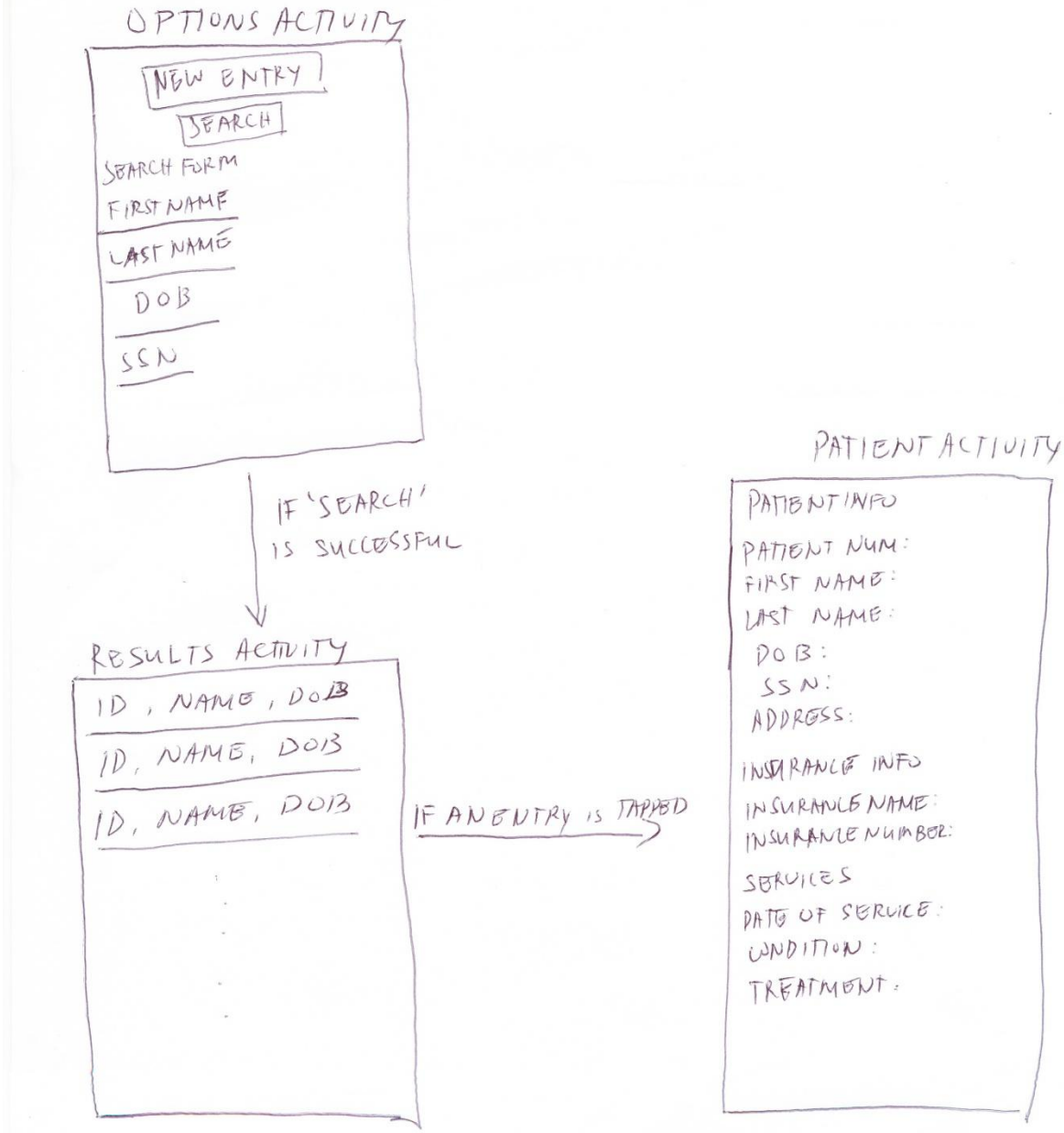
Term Project




OPTIONS ACTIVITY
NEW ENTRY
SEARCH
SEARCH FORM
FIRST NAME
LAST NAME
DOB
SSN
IF 'SEARCH' IS SUCCESSFUL
RESULTS ACTIVITY
ID, NAME, DOB
ID, NAME, DOB
ID, NAME, DOB
IF AN ENTRY IS TAPPED
PATIENT ACTIVITY
PATIENT INFO
PATIENT NUM:
FIRST NAME:
LAST NAME:
DOB:
SSN:
ADDRESS:
INSURANCE INFO
INSURANCE NAME:
INSURANCE NUMBER:
SERVICES
DATE OF SERVICE:
CONDITION:
TREATMENT:

The application that I made is that of a simple database that can be used by physical therapy clinics, doctor's offices, etc. It features a Login activity that enables the user, particularly an office employee, to login to the database using their credentials or signup for an office account. This activity has an SQLite database that contains all the user's personal and login information (name, dob, ssn, username and password). A new user is allowed to get access to the database by tapping on the New User button which shows the new user fields. New accounts need to have unique usernames. In signing in, once the user's credential is checked, and matches the user database, the activity is switched to the Options activity. This activity has a patient database that contains every patient's personal and insurance information, as well as details about their condition and their corresponding treatments. Furthermore, this allows the user to either search for a patient, or create a new patient record. The user is able to enter a new patient record by tapping on the New Entry button, which shows the new patient fields. The activity requires every input field to be filled in. The user is also allowed to search for patients by tapping on the Search button, which consequently shows the search fields. The user is able to search for a patient by first name, last name, date of birth, or by social security. The combinations- first name and last name, or first name and date of birth, or last name and date of birth, or first name, last name and date of birth, or first name, last name, date of birth and social security are also allowed. The result of the search, containing patient information and treatment records, is put into arrayLists and are consequently passed to the Results activity. This activity displays the result of the search in a ListView. Once an item is displayed and tapped, the patient info is passed , and the activity is switched to the Patient activity, where the selected patient information is displayed in detail.

*Note: Only three modules are used because I unintentionally followed the out of date term project objectives.

JustCode Topic	Module Name	Desc of corresp app feature
Android Essentials I	Switching Screens with 'Intents'	This feature is used every time there's a successful login, a successful search, as well as viewing a specific record from the search.
Android Essentials II	Showing a Simple List	A listView is used to show the result of a search query.
Data Persistence and a Review of App Architecture	Intro to SQLite	User login credentials, and patient information are stored in an SQLite database.