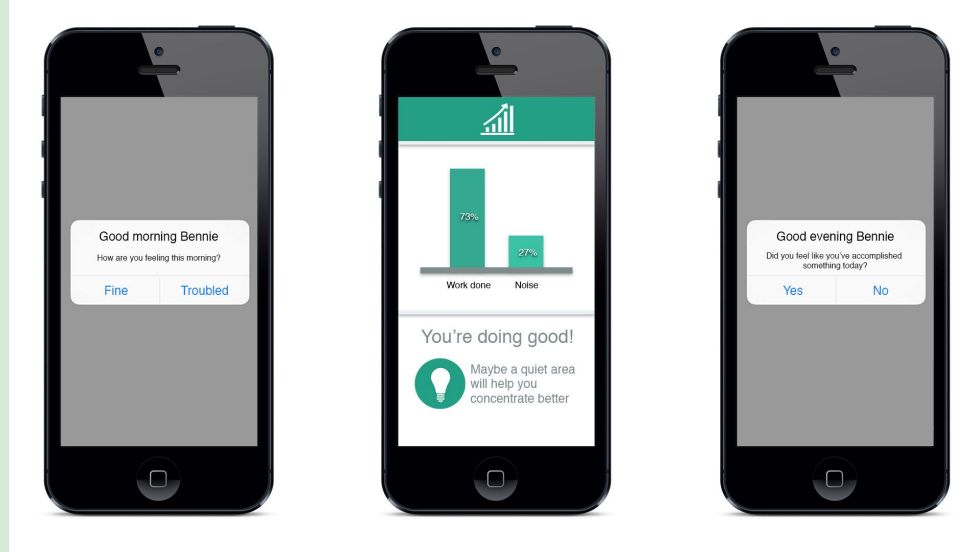
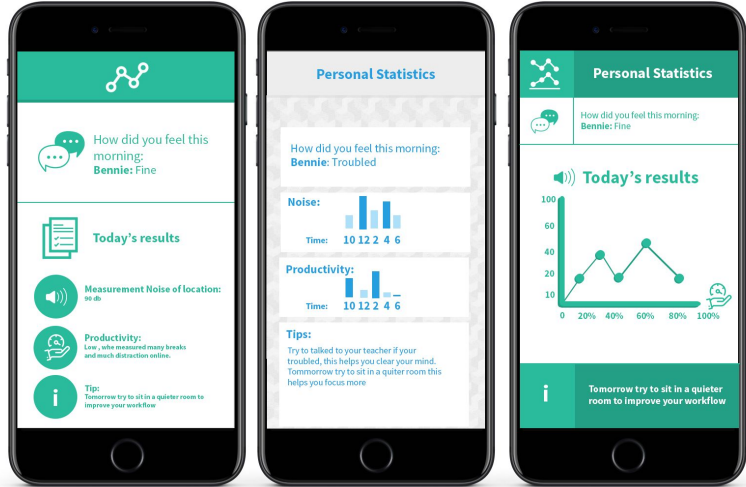


Student Dash



THE APP PROTOTYPE

DESIGNS



DESIGNS



THE PROTOTYPE

- **MOCK DATA**
- **NO BACKGROUND DATA GATHERING**



THE SERVER

PROTOTYPE

CUSTOM SERVER DEMO

```
The configuration indicates that this is a first run of this server software.  
If this is correct, should the server setup its' account and database? [Y/N]
```

```
[]
```

StudentDashTests 9 tests, 5 disabled

APICommsTests

- testServerAlive()
- testServerAlivePerformance()
- testNewUser()
- testNewUserPerformance()
- testRetrieveData()
- testRetrieveDataPerformance()
- testSubmitData()
- testSubmitDataPerformance()



**RESEARCH
INSIGHTS
NOISE DURING
STUDY**

WHITE NOISE VS ANNOYANCES

- **LOUDNESS ALONE MAY NOT BE A PROBLEM**
- **SOME WHITE NOISE ACTUALLY HELPS YOU STUDY**
- **VARIANCES IN NOISE LEVEL (SUCH AS SUDDEN PHONE RINGING) ARE THE THINGS THAT DISTURB US**
- **CONSTANTLY LOUD ENVIRONMENT RAISES STRESS AND MAKES IT DIFFICULT TO FOCUS**

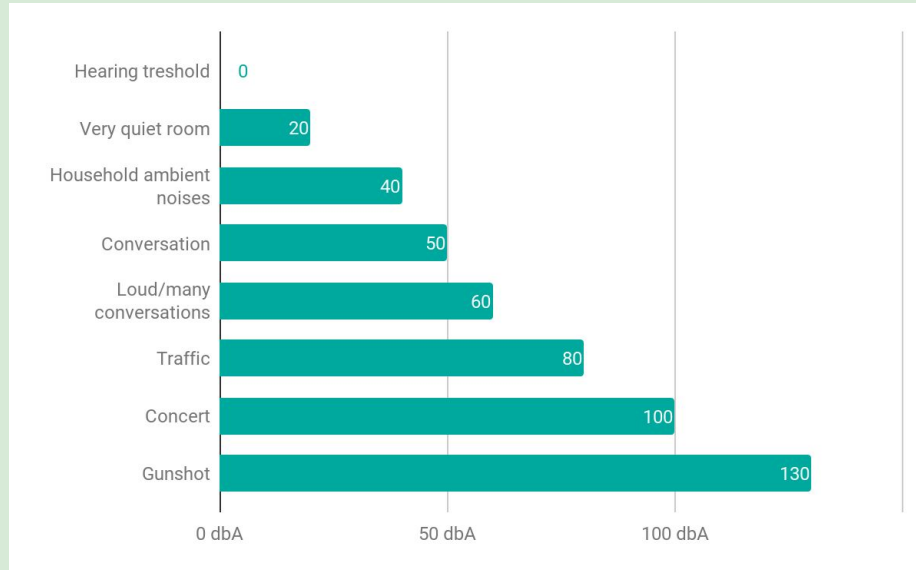


RESEARCH INSIGHTS

**LOUDNESS
PERCEIVED BY
PEOPLE VS
SMARTPHONES**

DBA SCALE

WHEN WE THINK OF "DECIBELS" WE USUALLY ACTUALLY MEAN OF "A-WEIGHTED SOUND LEVELS"



* **DBA: SOUND LEVEL WITH FILTER APPLIED TO IT THAT ADJUSTS THE MEASUREMENT TO BETTER EXPRESS HOW HUMAN EAR RESPONDS TO DIFFERENT FREQUENCIES OF SOUND**



SMARTPHONES AREN'T VERY GOOD AT REGISTERING LOUDNESS

**VALUES WE RECEIVE FROM PHONE'S MICROPHONE
CORRESPOND TO THEIR VOLTAGE LEVEL.**

**MOREOVER, THE MICROPHONES ARE USUALLY
ADJUSTED TO BE SENSITIVE TO HUMAN SPEECH.**



HOWEVER...

**APPLE'S DEVICES MAY BE BETTER FOR THIS
PURPOSE THAN ANDROID DEVICES.**

**FEWER MODELS WITH EXACTLY THE SAME
HARDWARE MEANS IT'S FEASIBLE TO
APPROXIMATE DBA LEVELS.**



QUESTIONS