

Statement of Work for Student Data

HISTORY

AppMakers is an app development company who specialize in creating apps to benefit college students. The system they are looking to update is their database containing all their research data on college students. Currently they only keep track of data sent to them through counseling departments from a dozen colleges. Their apps don't seem to be resonating with college students and they fear that the information they have is not an accurate representation of what college students really need or want. They have decided to send out data collection sheets that allow the students themselves to gather information that might help them get the research data they need into their database system to enable them to make more personal and useful apps. They also realize that taking photos is a big part of the college student's phone use and want to incorporate images students take on their phone as part of their research.

SCOPE

This project includes creating a database for research purposes, not the application development. Any application that uses the data is not a part of this project. The database will need to be designed and populated with data. The data will come from data gathering sheets that are filled out by 150 students at more than 100 colleges. AppMakers can utilize hardware they currently have to hold the database and no new hardware is needed. Data will initially be stored in an Excel workbook by the students and then AppMakers will transfer the data to a MySQL relational database.

OBJECTIVE

The objective of this project is to have more accurate research data to base their apps on. They want to understand worries, distractions, phone app usage, and types and locations of images students take with their phones. Employees at AppMakers can use the database to obtain information to focus the development of their apps on college students and create apps that students will really use and find effective.

TIMELINE

Week 1 – Data Gathering (students will gather their own personal data and record it on a four different sheets using visual/drawn data gathering techniques). The AppMakers database team will design and normalize the database.

Week 2 – Data Storage by Students (students enter certain parts of the data gathered into a spreadsheet with tables similar to what will be used in the database. Students will submit their data.)
The AppMakers team will develop the ERD for the database using MySQL Workbench.

Week 3 – Data input into Database (The AppMakers team will take the data submitted and change it to a CSV file to import into database tables.)

| | Week 1 | Week 2 | Week 3 |
|--------------|-----------------|-----------------|---------------|
| | | | |
| Students | Data gathering | Data stored | |
| | | | |
| Company Team | Design database | ERD development | Data imported |
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