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Conceptual Design 1:

Using the Eclipse programming environment, the electronic information system of Capital One will transmit information from a MySQL database to the user's cellular device. The cellular device will then filter the user's information depending on the custom settings of desired information to be sent to the watch chosen by the user. The desired notifications and command prompts will then display on the square face of the Android watch.

Conceptual Design 2:

Using the Android programming environment, the electronic information system of Capital One will transmit information from a Parse database to the users cellular device. The cellular device will then filter the users information depending on the custom settings of desired information to be sent to the watch chosen by the user. The desired notifications and command prompts will then display on the circle face of the Android watch.

To be analysed	Analysis method
Square vs Circle Screen	Availability and preference
MySQL vs Parse Database	Experimentation and Ease of use
Android Studio vs Eclipse platform	Experimentation and Ease of use
User needs	User preference

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Solution Generation Analysis

Analysis and Results

Square vs Circle Screen

Measure (weight)	Availability	User preference	Total
Square face	10	10	20
Circle screen	10	8	18

MySQL vs Parse Database

Measure (weight)	Reliability	User preference	Ease of implementation	Total
MySQL	8	8	7	23
Parse	9	10	8	27

Android Studio vs Eclipse Platform

Measure (weight)	Reliability	User preference	Ease of implementation	Total
Android Studio	9	10	8	27
Eclipse	8	8	6	22

User Needs

Measure (weight)	User preference	Ease of implementation	Total
Bank balance notification	10	9	19
Fraud alerts	10	8	18
Balance control	9	7	16
Bill Pay	10	8	18

Discussion of the Results

After analysis of the results shown in the tables, on a scale from 1-10 (1 being the worst, 10 being the best), the square-faced Android Wear Watch is the optimal decision between it and the round-faced watch. Secondly, using the Parse backend would be more efficient than

MySQL. Parse offers higher reliability, user preference and ease of implementation. Android Studio will provide the necessary testing facility when implementing the solution. Finally, we will allow the user the choice of which alerts he/she would like to receive on the Android Watch.All things being considered, we will use these findings to take the next steps of the solution process.