

The Watchmen

Progress Presentation 3.0

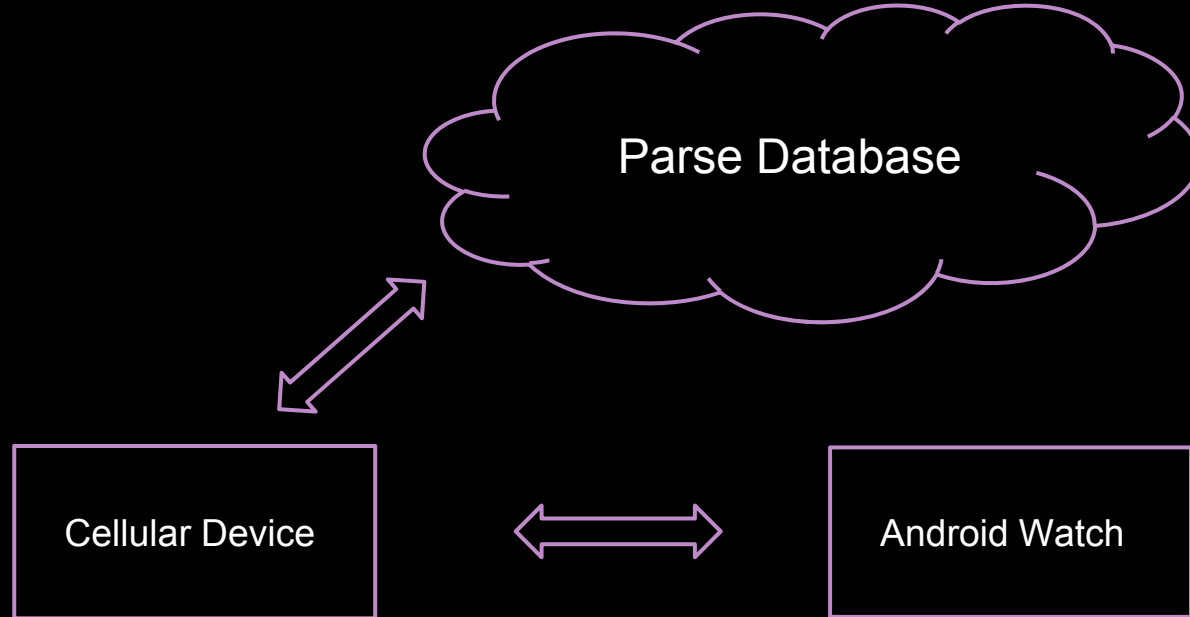
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Final Design Summary

The Capital One Watch App will consist of four primary functions that allow the user to utilize common banking tasks. Once the app is downloaded, the user will have the option of selecting which functions he/she wants to use.

Final Design Schematic



CapOne App Primary Functions

- ❖ Check Balance: Sends the amount of money in account to the user
- ❖ Fraud Alert: Notifies the user when fraudulent activity has occurred and prompts the user for a response
- ❖ Bill Pay: Alerts the user when a bill is and asks if user wishes to pay the bill
- ❖ Low Balance: Notifies the user when the bank balance falls below \$25

System Requirements

- System must have internet connection to receive data.
- Data must be retrieved in less than .5 sec.
- Data must be accurate .
- Fraud notification must activate in under 5 minutes after incorrect purchase.

Milestones Vs Outcomes

Milestones

Optimize and finalize Check Balance function	Complete
Start Implementation of Fraud alert function	Complete
Test Implementation of Fraud alert function	Complete
Connect Fraud alert to parse	Complete
Optimize for efficiency	Complete

Highlights

- Fixed all bugs in Check balance function and are now able to retrieve data 100% of time.
- Successfully created Fraud alert function
- Successfully tested Fraud alert function and will soon connect to parse
- Connected Fraud alert to parse
- Optimized fraud alert function

Lowlights

- Still working on customization
- Low balance seems like a more reasonable challenge to tackle over spring break instead of Bill Pay
- Still have differing versions of Android Studio

Risk Mitigation

	Issue	Probability	Impact	Mitigation Approach
1.	Unable to properly send/retrieve data from Parse	1	8	Research
2.	Differing versions of Android Studios	4	3	Wait/Accept
3.	Manipulating/Updating database	5	5	Research
4.	Run time crash	5	8	Research
5.	UI layout is very bland (demonstration soon)	7	2	Wait
6.	No communication method between emulator and physical device	8	3	Research / Accept upon confirmation from CapOne

How lowlights are to be resolved

YOU HAVE
TO GO
THROUGH
THE WORST,
TO GET TO
THE BEST.
—RICHARD WATSON

- Sit down and get all computers to have the same version of Android Studio
- Work on the customization
- Work on low balance next

Changes to be made in approach

- Each person focuses on different function and then bring progress to meeting
- Maintain communication with Capital one
- Keep all team members on the same page

Next Milestone

- Start implementing the low balance function
- Test the functionality of the code
- Connect low balance function to parse database
- Optimize the function for efficiency

Fraud detection Demonstration



ARE YOU
READY?

Q&A



Questions & Answers