

Focus Time

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The Problem

Has this ever happened to you?



The Problem

Oh but before that let me
check on my phone!



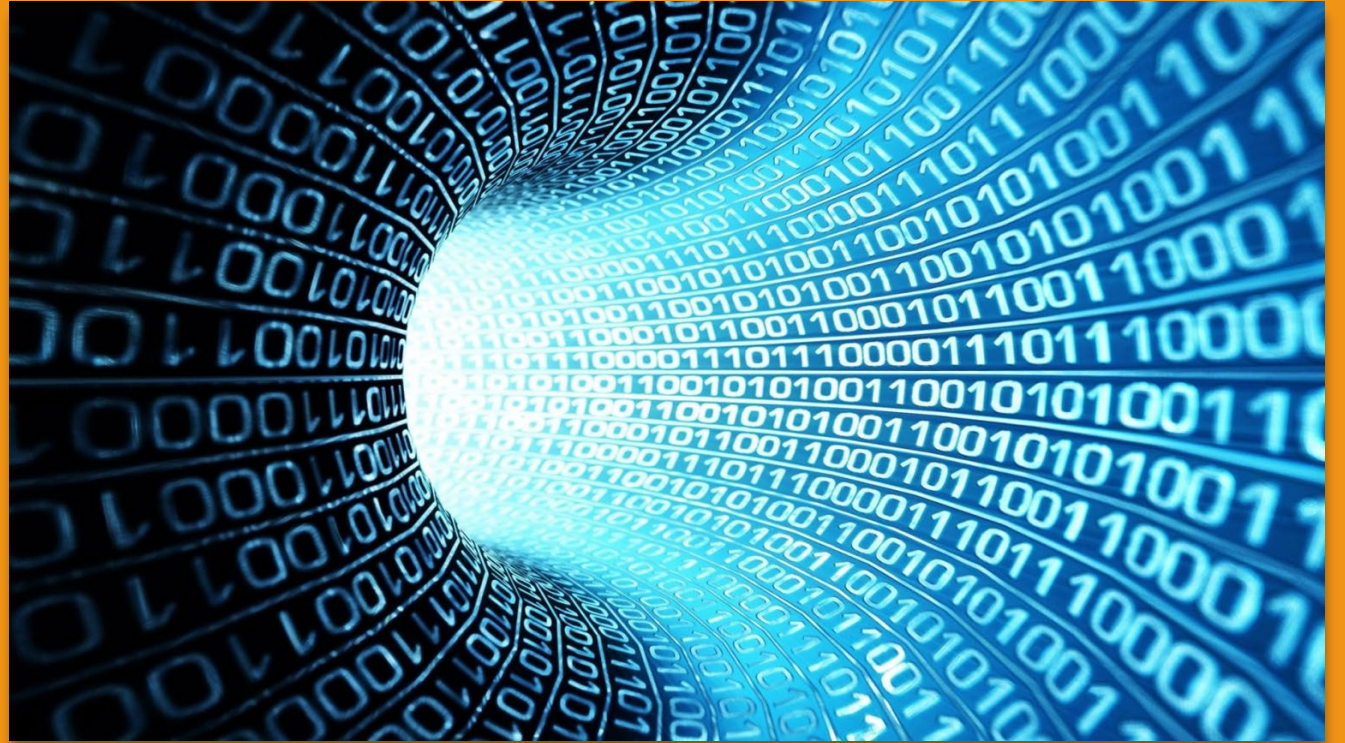
The Problem

Better check my texts, emails,
etc...



The Problem

“It” Happens



The Problem

Oh gosh diddly darn! Where
did the time go?!



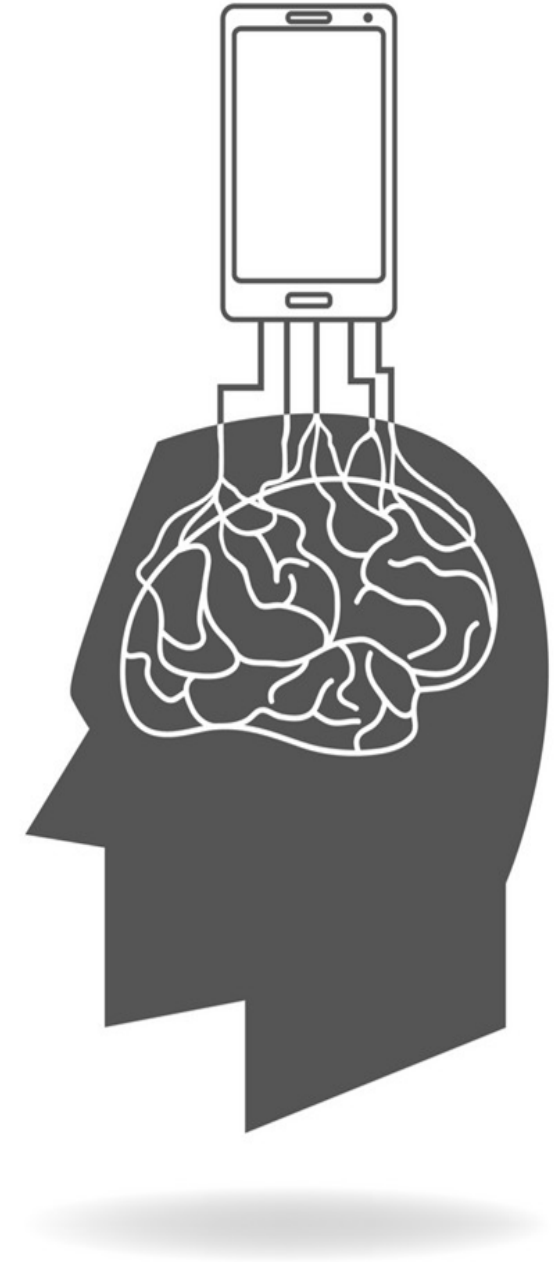
The Problem

“Hey (insert your name here)
how goes your progress?”



The Problem

- 84% of Teenage Americans own a smartphone - Common Sense Media
- 97% of Adult Americans own a smartphone now - PewResearch
- Nearly half of people spend 5 to 6 hours on their smartphone daily - Statistica



Our Proposed Solution

- Our “Focus Time” App!
- The purpose of this project is to provide the design of a free to download mobile application for assisting the user in staying focused for long periods of time.
- The primary goal of this application is to streamline several popular techniques used to stay focus all in one app!

Functional Requirements

Sign-Up and Logging In

- Sign-Up: Requires an Account Name and Strong Password(mix of number, upper case, lower case, and symbols). Password will be required to type correctly twice to activate. Association with an email account is recommended.(Retrieving password and Sharing TimeSets relies on it)
- Logging In: Once Signed up, users can log in through account name with password or account name with one-time code sent through email. Users can choose to make the device remember password.

Creating TimeSets

- TimeSets can block distractions and aim to help users utilize/organize their time more efficiently.
- It contains following settings: Title, Timer Duration, Blocking Strength, and Music options.
- Title is the name of the TimeSet. Timer Duration and Blocking Strength define how long the concentration time will last and how restrictive it is during such period. Music options allow the device to play music chosen by users.
- Upon creation of TimeSets, users could specify above settings otherwise they will be set to default values.

Accessing TimeSets

- Once users are logged in, they can access all TimeSets they created. TimeSets will be displayed on the screen in their timer's order. Users can use search box or filter to find their desired TimeSets.
- Once started, study/work time is initiated, and users will not be able to leave our app until they finish the session (heavy commitment).
- The Timer will start counting down, during which notifications are blocked and a music player will appear for the user to listen to while they work.

Sharing TimeSets

- Upon registration, if users have an email address associated with the account, then they can share TimeSets with their customized settings through email to anyone. Other users who receive the email can click the link inside it, then they will be asked and redirected to the app.
- For users who do not have an email address associated with their account, they can share their TimeSets through Bluetooth to other users with the app.

Non-Functional Requirements

TimeSet Storage

- Database must be able to support the storage place to allocate user data
- Can be adjusted to wherever the user wants to on their device

TimeSet Data Encryption

- If the data is private, it will be automatically encrypted in TimeSet
- Users can also decide to encrypt any data they want for safety



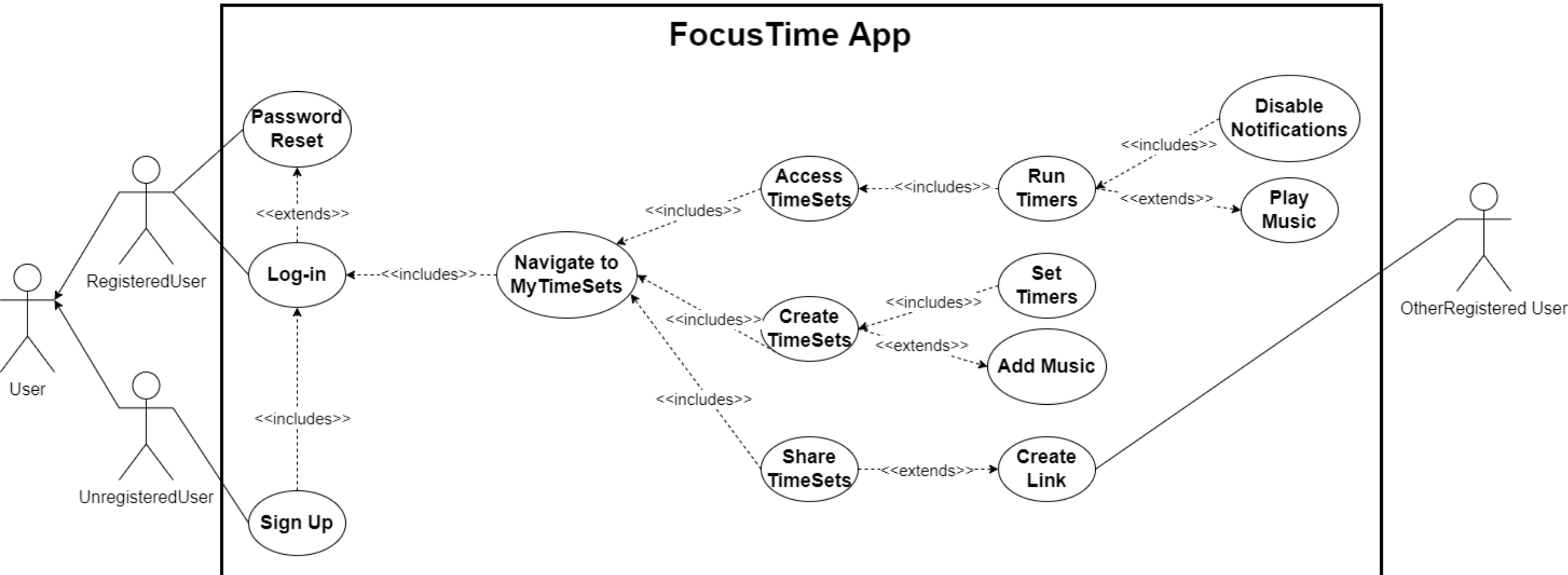
Reset Passwords

- Allows the user to reset their password if they forgot, or are having difficulties logging in
- Enforces a rule for only accepting passwords with at least 8 characters

Uptime of Application

- TimeSet app must be down for thirty minutes each month for maintenance
- User will be notified in advance for the maintenance time

Use Case Diagram



System Constraints

- Mobile Application Framework (Xamarin)
- A Developing Language (C#)
- Mobile Phone Platform (iPhone & Android)
- Developer Expertise (Mobile Development Experience)
- Time Constraints (End of Semester)

Evolutionary Requirements

- “Focus Time” App coming to the Web!

Questions?



Citations

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