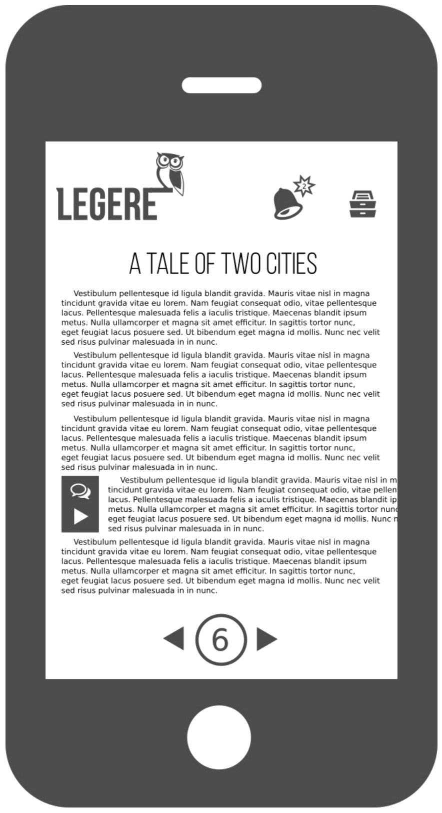
Aaron Nech
Nick Huynh
CSE403 (Wi16)

LEGERE

Introduction and Product Description



Vestibulum pellentesque id ligula blandit gravida. Mauris vitae nisl in magna tincidunt gravida vitae eu lorem. Nam feugiat consequat odio, vitae pellentesque lacus. Pellentesque malesuada felis a iaculis tristique. Maecenas blandit ipsum metus. Nulla ullamcorper et magna sit amet efficitur. In sagittis tortor nunc, eget feugiat lacus posuere sed. Ut bibendum eget magna id mollis. Nunc nec velit sed risus pulvinar malesuada in in nunc.

Vestibulum pellentesque id ligula blandit gravida. Mauris vitae nisl in magna tincidunt gravida vitae eu lorem. Nam feugiat consequat odio, vitae pellentesque lacus. Pellentesque malesuada felis a iaculis tristique. Maecenas blandit ipsum metus. Nulla ullamcorper et magna sit amet efficitur. In sagittis tortor nunc, eget feugiat lacus posuere sed. Ut bibendum eget magna id mollis. Nunc nec velit sed risus pulvinar malesuada in in nunc.

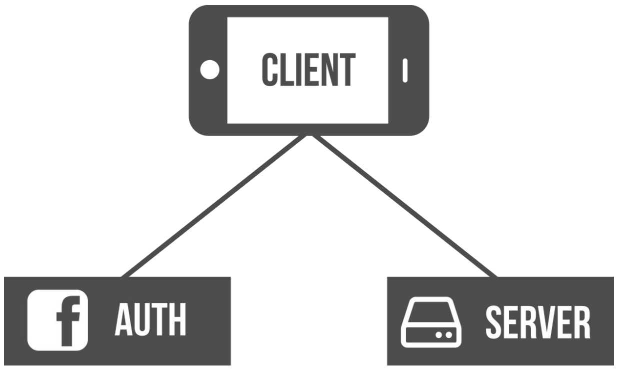
Vestibulum pellentesque id ligula blandit gravida. Mauris vitae nisl in magna tincidunt gravida vitae eu lorem. Nam feugiat consequat odio, vitae pellentesque lacus. Pellentesque malesuada felis a iaculis tristique. Maecenas blandit ipsum metus. Nulla ullamcorper et magna sit amet efficitur. In sagittis tortor nunc, eget feugiat lacus posuere sed. Ut bibendum eget magna id mollis. Nunc nec velit sed risus pulvinar malesuada in in nunc.

Vestibulum pellentesque id ligula blandit gravida. Mauris vitae nisl in m
tincidunt gravida vitae eu lorem. Nam feugiat consequat odio, vitae pellen
lacus. Pellentesque malesuada felis a iaculis tristique. Maecenas blandit ip
metus. Nulla ullamcorper et magna sit amet efficitur. In sagittis tortor nunc
eget feugiat lacus posuere sed. Ut bibendum eget magna id mollis. Nunc n
sed risus pulvinar malesuada in in nunc.

Vestibulum pellentesque id ligula blandit gravida. Mauris vitae nisl in magna tincidunt gravida vitae eu lorem. Nam feugiat consequat odio, vitae pellentesque lacus. Pellentesque malesuada felis a iaculis tristique. Maecenas blandit ipsum metus. Nulla ullamcorper et magna sit amet efficitur. In sagittis tortor nunc, eget feugiat lacus posuere sed. Ut bibendum eget magna id mollis. Nunc nec velit sed risus pulvinar malesuada in in nunc.

People nowadays rarely read for pleasure and when they do it's difficult to find people to discuss the book. The problems with a normal book club is that people generally read at different paces so some members might be further in than others or the club stops members from reading ahead. Legere is an app that will feature one book at a time in static intervals where readers can read the book within the app and leave comments on pages or passages and highlight them. Users will join in a discussion with other readers to find deeper meaning and better engage with the book. Legere will archive each book that has been featured along with the highlighted sections and comments so that new users of the app can read old conversations. People looking for a new book to read can also pull a recommendation from the current book being read or the archive. Because there is only one book chosen each interval, it also serves as a way for authors to give their book more publicity by partnering with Legere.

There are issues with the legality of putting a book within our app. We would have to provide royalties to the author of the book that's featured but since we are only working with one book at a time, it should be easier than obtaining rights for a library. The comment section of the Legere would also have to be moderated because spam and spoilers would be extremely problematic. There are some competitors with the Kindle and Rooster, but Legere separates itself by offering a comment section. Rooster is an app that gives 10-15 minute installments of a book each day in order to motivate people to read. Legere fills a similar role but remedies the issue by enhancing engagement rather than giving easy installments.



System Design

The components of our system are:

- A *client side web application* which acts as a reader and interface to the user for consuming and commenting on the current book.
  - ReactJS will be used as a component hierarchy architecture to create UI components and manage complexity.
  - Utility classes will exist as separate TypeScript / JavaScript modules which can be used on both client and server.
  - PhoneGap can be utilized to deploy this web application into native wrappers to be executed on phone operating systems (iOS, Android)
- A *server side authentication system*
  - It will likely leverage and existing authentication such as Facebook login. User records will then be tied to their Facebook user ids when stored.
- A *server side application* which manages and stores user comments, interaction metrics, and serves the current book, and archives previous books.
  - Implementation will likely be a REST (HTTP) server which communicates through JSON format.
  - Will be written in TypeScript / JavaScript utilizing NodeJS as a server. ExpressJS can be leveraged to provide a quick REST (HTTP) framework.
  - The server will be very time dependent. A new book will become active after every book time period, and previous books will become archived.

Considerations

The most difficult aspect of the app is implementing a reader with a seamless UI. Since our in text comment system comments on certain passages or words, we have to group them in a meaningful way to further the discussion. We can mitigate this by iterating on designs and by compromising on certain aspects of our initial design.