

# Armchair

Project Team:  
Brianna Sheagley  
Ella Wells  
Ian Baxter

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## 1. Project Definition –

Armchair will be a social networking application for discussing books and TV shows of the user's interest. With streaming services becoming increasingly popular, young adults need a place to discuss individual episodes of their favorite shows and show off what they are watching. Each user will have their own profile displaying their username, a list of shows watched, the number of episodes watched in their TV shows, a list of shows currently being watched, and the number of chapters read in their books. There will be a discussion board for each chapter or episode where users can post comments and reply to each other.

The target audience of the app will be young adults. Armchair's book-related features will provide incentives - specifically bragging rights and interactions with peers - to young adults who wish to read more and will satisfy avid readers' need to connect and dissect their favorite chapters.

*(Note we will be using the terms "show", "watch", and "episode" to cover both shows and books for convenience).*

## 2. Project Requirements –

- Functional- What is the user able to do
  - Users will be able to register for an account. The user must be able to provide a username, email, and password.
  - They should be able to add a show to their watching list and record how many episodes they have watched.
  - They will be able to add shows to a "Favorites" list.
  - Users will have the ability to post within discussion threads. They will be able to "Like" and respond to other users' posts.
  - There will be a home page where the user can navigate to discussion threads where they have commented.
  - There will be a "Discovery" page where they can go to a discussion thread for each episode under each show.
- Usability
  - User interface
    - The user will be able to understand how to navigate the system easily and understand how to use it without getting stuck.

- Performance
  - Page loading and database lookup times should be in-line with other modern apps
- System
  - Hardware
    - Will display on a phone or desktop
    - Meteor/MongoDB server
  - Software
    - Mobile site
    - Backend management
  - Database
    - Should store information about most current tv shows/book, broken down by episode/chapter
    - Should store and retrieve comments
    - Should store and retrieve user account information
- Security
  - Users' private data should only be accessible by them
  - Unauthorized users shouldn't have access to administrative tools
  - Users should use a username/email and password to login

### **3. Project Specification –**

- Entertainment Category
- Meteor, NodeJS, MongoDB
- Mobile Android
- Social Media Application

Meteor is an application development framework that runs server-side to construct web pages. We plan to use it to build the user interface because it's easily portable. We will use MongoDB because it works well with Meteor and javascript.