Team 4 Sprint 1 Planning Document
NewsLog - Filtered News Per User Interest
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Sprint Overview

For the first sprint we will work on setting up the foundation of the application, and we will research various methods of gathering data from different news sources.
Our main focus will be getting news from sources, setting up a database, integrating the backend database with the server, and providing a basic user Interface with limited features. The main goals of this first sprint are:
1. Understand and implement news retrieval and storage on a database
2. Retrieve articles from the database to the client
3. Have a basic user interface capable of displaying news articles

Below, we cover further details regarding our Sprint One plans. We will describe the user stories that we want to cover by labeling detailed tables with the functional requirements that will be completed by the tasks described per table.The tables will break down the project tasks required for proper implementation of our sprint goals. To designate a sense for the workload per task we have included a time category to label our expected time cost per task.

Scrum Master: Stephen Motherwell
Scrum Meeting Schedule: 12:30PM MWF and 2PM Sun
Risks/Challenges:
1) Learning new back-end technologies (MySQL, Apache server, PHP)
2) Working with Source API's (obtaining news from online sources)
3) Working with Android.
4) Properly organizing the integration between frontend and backend platforms

Current Sprint Detail

Functional User Stories

As a user, I would like to be able to create an account.

As a user, I would like to be able to login with email address.

As a user, I would like to be able to define my initial interests.

As a user, I would want to see the news articles organised in a short, and concise manner in my news feed.

As a user I would like to have the option of accident-proof deletion of my account e.g. Type "delete" before account is removed.

As a user I should be able to change my password.

As a user, I would like to be able to login with my username or email address

Task Description	Est Time (Hr)	Owner(s)
Create necessary classes for the User account creation and login.	10	Misha, Paul
Create a "create user account" page	15	Joe
Send user directly to a single news story with no selections for interest and without the ability to like, favorite, or dislike	15	Stephen, Paul
Setup the overall framework.	30	Paul, Joe

Acceptance Criteria: Given that a user has not yet created an account, when the user opens the app they will be presented with a UI that allows them to create a new account that is stored on the database.

Functional User Stories

As a developer, I would like news stories to be saved in a database.

As a developer, I would like to pull news articles using source API's.

As a developer, I would like to save user information in a database.

Task Description	Est Time (Hr)	Owner(s)
Research source API's	15	Akshit
Research database architecture	15	Austin
Pull articles using source API's, and obtain the JSON Object.	20	Akshit, Misha

Task Description	Est Time (Hr)	Owner(s)
Implement the Database controller class for the interaction of the database with the middle layer.	10	Misha
Create database for articles and users.	10	Austin
Add articles to database by parsing the JSON Obj, and storing information by its respective type.	15	Akshit, Austin

Acceptance Criteria: This user story will be considered a success if we are able to get the news from source API's and create a database using MySQL, PHP, and an Apache server that stores user and article information.

Functional User Stories
As a user, I would like news articles presented to me
As a user, I would want to see the news articles organised in a short, and concise manner in my news feed.
As a user, I would like to read an article immediately when it is presented.

Task Description	Est Time (Hr)	Owner(s)
Create Android app and general design of the user interface when viewing news articles	5	Joe, Stephen
Integrate backend and frontend communications between different classes within the framework	15	Paul, Misha
Process the message that a user account is created and retrieve articles to be displayed	15	Paul,Dhruv
Parse the returned information to prepare for display	10	Dhruv,Stephen
Arrange data for client display	10	Dhruv

Acceptance Criteria: This user story is considered a success if we are able to retrieve user requests, process them and send request forms for news articles. A good utility, usable UI for newslog activity will be crucial. When the user opens the application and signs in, they will be presented with a news story from the database.

Remaining Backlog

Functional

User Accounts

1. As a user, I would like to be able to recover my password in a safe way.
2. As a user, I would like the option to remain signed in.

News Library

3. As a user, I would like to save a story to read it later.
4. As a user, I would like to have a library to read saved stories.
5. As I user I want to have the option of receiving alerts/updates about breaking news.
6. As a user, I would like to be able to switch between news feeds based on previous interests.
7. As a user, I would like to be able subscribe to articles from specific publications and authors.
8. As a developer, I want to limit the user library size.
9. As a user, I would like to be able to manually clear my library.
10. As a user, I would like to have an automatic "cleanup" of my library.
11. Shared interests
12. As a user I would like to be able to share stories to social media, phone messaging, or other integrated apps via my device.
13. As a user I want to follow what other coworkers and friends news feeds.

App Use

14. As a user, I would like to have a tutorial of the application's features.
15. As a user, I would like to change the appearance of the application. (if time allows)
16. As a user I would like to have a feature in which the selected articles are presented, in full, one at a time to the user
17. As a user, I would like to see visual feedback when I swipe on an article.
18. As a user, I would like the option of autoplay on embedded videos in articles.

Developer Needs

19. As a developer, I would like to receive user feedback.
20. As a developer, I would like to be able to delete user accounts.
21. As a developer, I would like users to be able to report crashes with an attached bug report.

22. As a developer, I would like to request access to user's swipe and browsing information

Non-Functional

Architecture

The application will have a basic framework which we will be able to easily expand upon in future sprints. We will still need to implement intelligence within the app to handle the news stories per user interests, likes, and dislikes. The UI will also need some additional work to incorporate all of our required user options.

Performance

Performance will be considered and perfected within this initial sprint. Designing our framework will encompass efficient integration to allow for high performance in any further communications between the client and our server.

Security

While user account information will not be of high risk. We do plan on ensuring proper security when transferring files between the database server and the client. Our implementation during this initial sprint will ensure proper security during file transfer. Further implementation regarding user account options will take any further security issues into account.

Hosting and Development

Although certain details will not be completed during this sprint, we will complete all requirements regarding server database storage and client-server communication.

Appearance

This application will have a visually pleasing layout that appeals to our target demographic of students, and young adults. The transitions between functions will be seamless, and smooth. The application will have an intuitive layout that is simple to use, and is also ideal for non technical users.