

IT314 - Software Engineering

Lab-2

Group 4 – News Aggregator (Tagged News)

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Need for the Project

1. The project would enable people to share ideas and opinions on world events and allow them to see different viewpoints.
2. Users can follow and form communities with like minded individuals or individuals whose viewpoints are different.
3. It would also allow users to post news and share other news which might otherwise have gone unnoticed or suppressed.
4. The users can see the general consensus towards a world event or towards different views of the people.
5. This can be a one stop destination to get to know about different world events be it sports, technology, entertainment, politics.

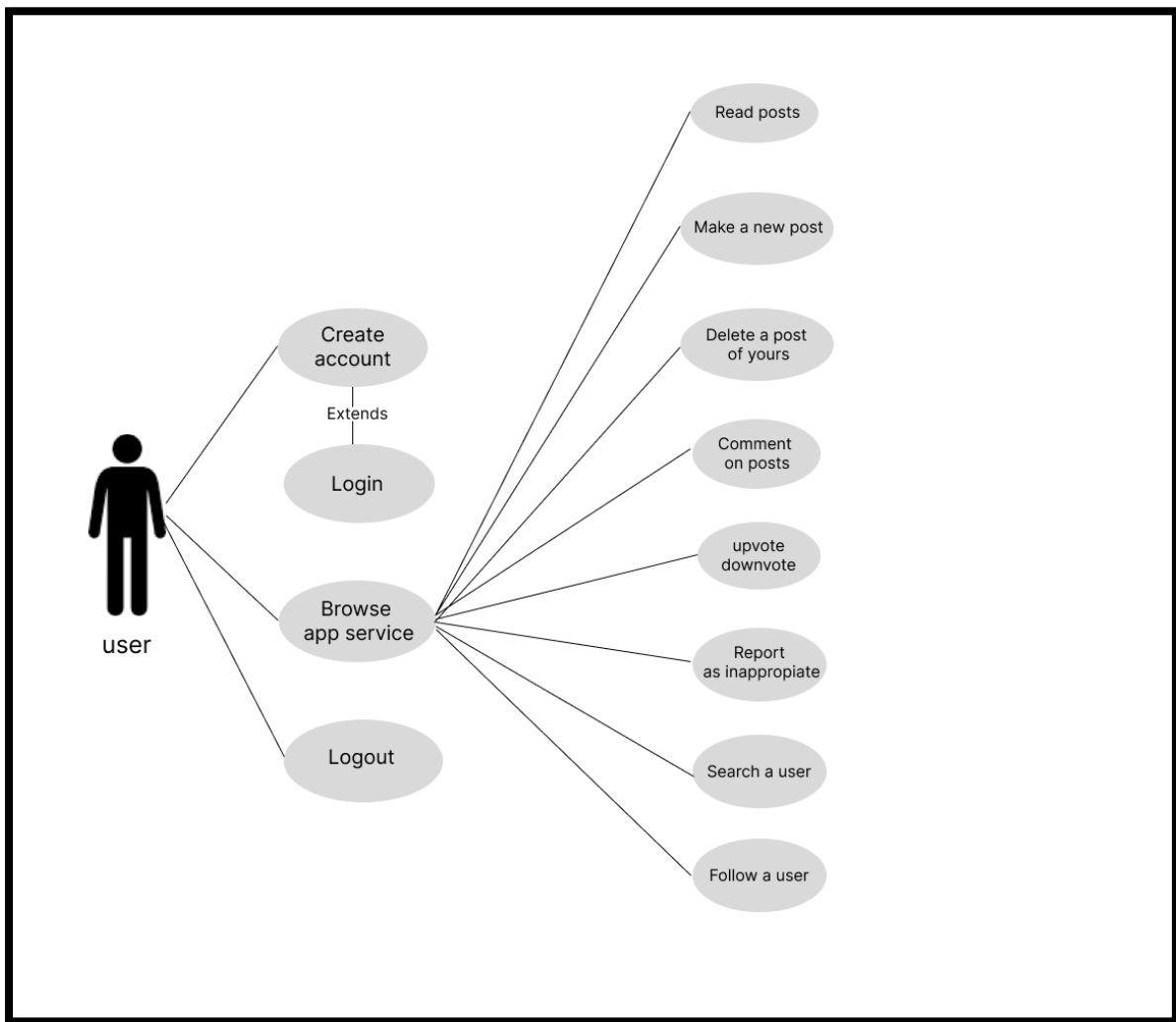
Functional Requirements (Features)

1. By adding their email/username, and password, users may log in and new users can register also.
2. Users can Post or Delete any news.
3. Users can also add any image or add the video link related to their posted news.
4. To maintain the privacy of the user , he/she can also share it anonymously.
5. While sharing any news , the user can add the related tag for that news so that other users can filter the news as per his/her interests.
6. Age of the user will be taken while registering and on uploading the post the user can restrict the content on the basis of age.
7. People can search for any user profile and can also follow that user.
8. Any registered user can comment on any of the news posts to share their views.
9. The starting feed can be based on the news Popularity and time elapsed since it was posted.
10. Can separate unverified news on the basis of whether the reference to the news is provided or not.
11. Users can upvote and downvote on both the posts and comments.
12. Report as Inappropriate option can be used to deal with fake news.

Non Functional Requirements

- Security
- Privacy
- Accuracy
- Maintainability
- Reliability
- Scalability
- Performance
- Flexibility
- Accessibility

Use Case Diagram



Software Process Model

We believe that the "Incremental Model" is the ideal model for this system. Since we are very clear on the user needs for this project, there won't be many changes to those requirements, and even if there are, we can make those changes by adding another module design to the project. For this project, we may separate the various modules based on each additional capability or feature that has to be added while the feature is being developed, and we can then independently verify that each feature is functioning correctly. In this architecture, we may first prioritize the most crucial functions, like posting or removing a message, and then later add less critical functions, such including private comments and many others. Because of the aforementioned factors, we believe that this model perfectly fits our System Development Life Cycle.