Decentralized Timeline

Large Scale Distributed Systems

This project will explore the creation of a decentralized timeline service (e.g. Twitter, Instagram, Facebook) that harvests peer-to-peer and edge devices. Users have an identity and publish small text messages in their local machine, forming a local timeline. They can subscribe to other user's timelines and will help to store and forward their content. Remote content is available when a source or source subscriber is online and can forward the information. Information from subscribed sources can be ephemeral and only stored and forwarded for a given time period.

- Choice of technology is free

- Groups should have five participants

- They should submit a short report (up to 6 pages) on the main design challenges and choices (date to be determined)

- On the presentation day (date to be determined) each group will be asked to do a 10 minute presentation to the class