Application GoogleDrive Consumer

Objective

Small application that integrates with Google Drive

Requirements

- Login with Google User account using OAuth 2.0
- List files of user Google Drive
- Upload a file to the user Google Drive
- Download a file from the user's Google Drive
- Delete a file from the user's Google Drive

Task Breakdown

AUTHENTICATION

- OAuth 2.0 allow users to log in Google account and auth app to access Google Drive

LIST FILES

- Display names, types and last modified dates
- (optional idea)"Recursive" functionality (go into folders)
- (optional idea) Paging functionality

UPLOAD FILE

- Select from local system and upload to specified folder in Google Drive
- (optional idea) Allow drag and drop on UI

DOWNLOAD FILE

- Select a file from the list and download to their local system
  - opt 1 click on file name
  - opt 2 button to download → **selected**
  - (optional idea) check box on file and download button → this could lead to multiple download files

DELETE FILE

- Select file from the list and delete it.
  - Button to delete on any file
  - (optional idea) checkbox and button to delete → multiple deletion

UI (mock):

https://docs.google.com/presentation/d/1B69R27C1O1MmOE7-RCrWtYVyRDbO8xQ8Y5uYvD7D1kU/edit?usp=sharing

Work Breakdown

- 01/15 - Initial Project setup. Gathering of requirements, build of this document, UI mock document and Infrastructure considerations Document. - 4 hours.
- 01/16 - Initial Implementations. Google Cloud Application Setup. Features Implementation for Listing and Create File operations. - 4 hours.
- 01/17 - Finalize implementations Download Delete and Upload File -4 hours.
- 01/19-20 - Added Unit Tests, minor refactoring adding Jacoco code coverage check. - 8 hours
- 01/20 - Updated UI to adhere more to the conceptual UI mock presented. - 4 hours