

DROPBOX INTEGRATION WEB APPLICATION

1. General description

Application has been developed to allow connecting to Dropbox account with two level of privileges: user and admin. User can only list Dropbox files and download them, while admin can also upload new files and remove existing ones.

2. Main functionality

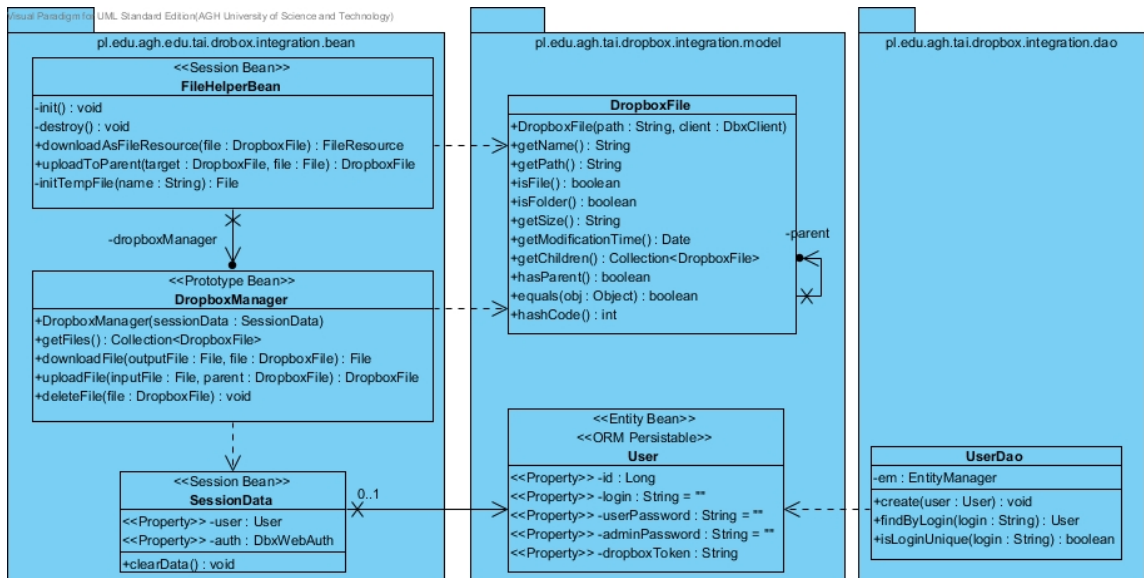
To use this application, user has to create an account first, providing login, user password and admin password. Next, user has to authenticate the application with Dropbox - he is redirected to Dropbox page where he can log in and provide an access. After account is created, user can log in in two modes - as user (providing user password) or as admin (providing admin password). User is only allowed to browse and download Dropbox files, admin can also remove files and upload new ones. It allows to give partial (read-only) access to Dropbox to someone by providing him or her with user credentials only, keeping admin password secret.

3. Used technologies

Technologies used for the application development are:

- Vaadin 7.1 - GUI
- Spring 3.2 - DI, IOC
- Spring Security 3.1 - authentication, security context
- ObjectDB 2.5 + JPA 2.0 - persistence
- Dropbox Java Core API 1.7.5 - communication with Dropbox

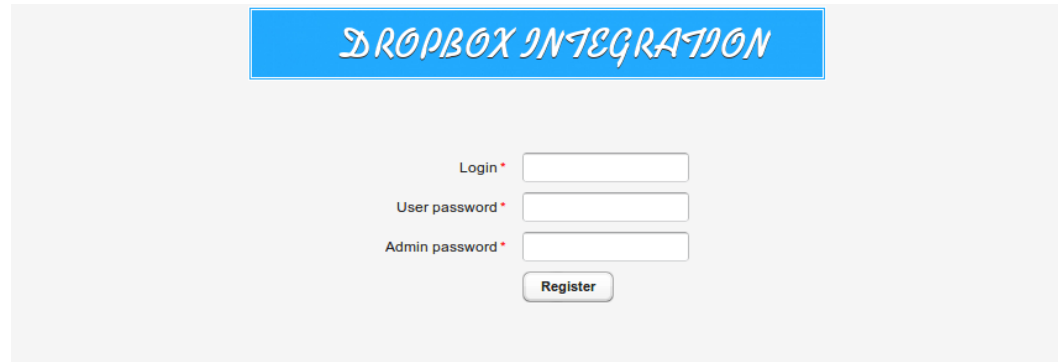
4. Business logic implementation



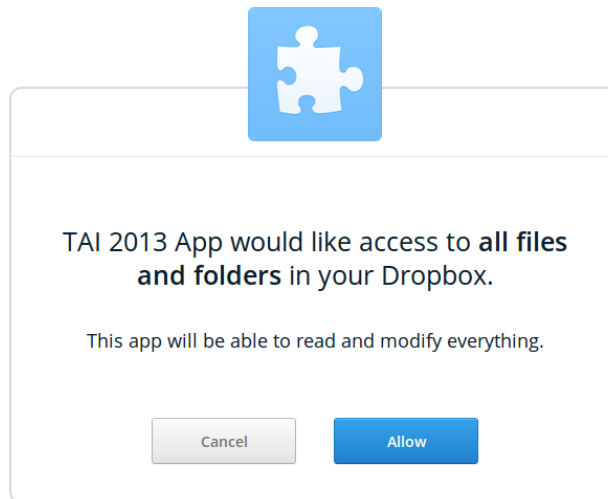
5. User manual

a. registering

After launching the app, click “Register” link on the login screen. You will be taken to the registration screen:

The image shows a registration screen titled "DROPTBOX INTEGRATION" in a blue header. Below the header, there are three input fields labeled "Login *", "User password *", and "Admin password *". Each field has a small red asterisk indicating it is required. Below the input fields is a "Register" button.

You should provide valid user credentials (unique login and both passwords, each at least 5 characters long). Afterwards, you can proceed by clicking “Register” button. You will be redirected to Dropbox, where you can log in (if not logged in before) and allow access to your Dropbox account:



If you allow the access, registration process is completed.

b. logging in

After launching the app, login screen appears:

DROPBOX INTEGRATION

Login

Password

☐ Log as admin

[Register](#)

If you want to log in as a user, leave “Log as admin” box unchecked. Otherwise, if you want to log in as an admin, check it. Next, you should provide valid credentials for the type of privileges you have chosen, and press “Login” button.

c. user view

In user view, you can browse the Dropbox file tree. Size and modification date for every file is visible next to its name. You can download the file by selecting it and pressing “Download” button.

DROPBOX INTEGRATION

Files

NAME	SIZE	MODIFICATIONTIME
2012-12-20 01-34.pdf	1,1 MB	2012-12-20 01:38:57
Getting Started.pdf	243,3 KB	2012-11-12 11:53:02
▼ Informatyka		
▶ Automaty		
▶ Badania operacyjne		
▶ Bezpieczeństwo systemów komputerowych		
▶ BSK		
▶ Grafika		
▶ Inżynieria oprogramowania		
▶ Praca inżynierska		
▶ Sieci komputerowe		
▶ Technika mikroprocesorowa		
▶ Technologie obiektowe		
▶ Teoria kompilacji		
▶ Teoria współbieżności		
▼ Kody		
▶ AI		
▶ AMWJ		
▶ Android		
▶ arm		

d. admin view

In admin view you get additional options compared to the user view. You can also upload new files by pressing “Add” and remove existing ones by selecting the one

you want and pressing “Remove”.

Dropbox Integration

Files

NAME	SIZE	MODIFICATIONTIME
▶ IO		
▶ Java		
▶ Kompiłatory		
▶ Mikro		
▶ MSI		
▶ NetBeans		
▶ Octave		
▶ Play		
▶ PyCharm		
▶ Python		
▶ R		
▶ Rozprochy		
▶ STS		
▶ Typesafe-scala-IDE		
▶ Londyn		
MobileClientLapk	1,1 MB	2013-06-05 16:06:49
PL-WIZJA.pdf	74,9 KB	2013-07-04 17:30:25
▼ Photos		
▶ Sample Album		
▶ Shared		

Download

Add

Remove