

images/UP_Logo.png

PROJECT TENDER

Project: RMB's Data Lake

CLIENT: RMB

Team: Team Name

Armand Pieterse *u12167844*

student name *uXXXXXXXX*

student name *uXXXXXXXX*

Sphelele Malo *u12247040*

Here's a link to GitHub.

`https://github.com/SpheMalo/COS-301-Main-Project.git`

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Contents

List of Figures

1 Vision and scope

1.1 Project Background

1.2 Project vision

1.3 Project scope

2 Application requirements and design

This section discusses for each module of the Figbook system the functional requirements as well as the process designs for the use cases and the domain models which must be maintained within persistent storage by that module.

2.1 Authentication

2.1.1 scope

This section provides the details use case requirements for the use cases offered by the Authentication module.

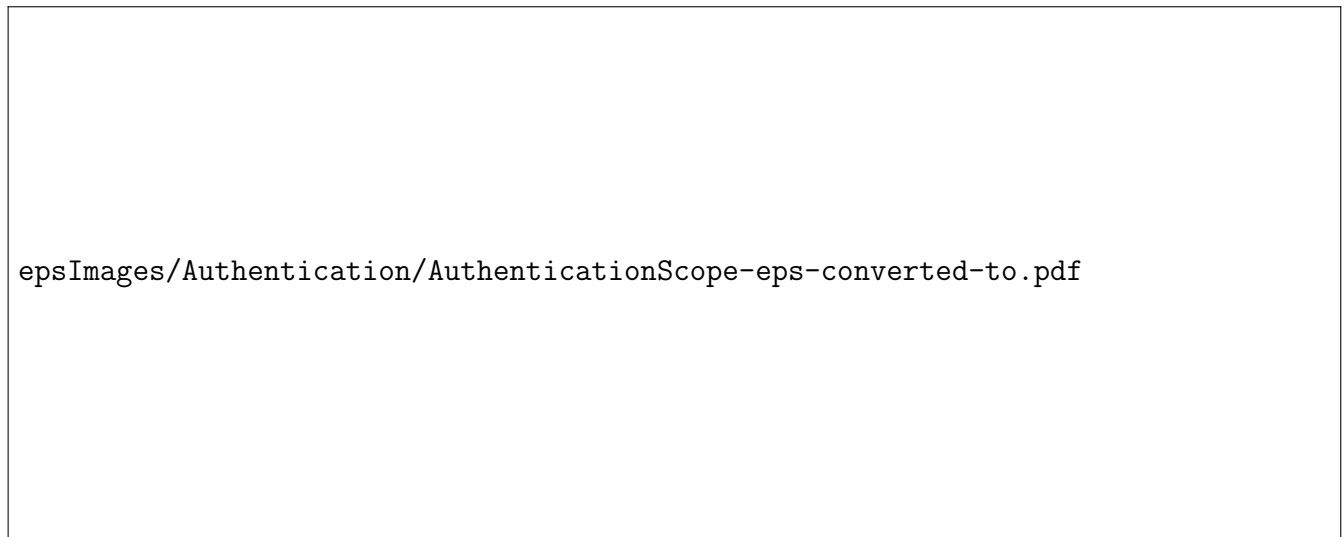



Figure 1: Scope for authentication module

2.1.2 use cases

1. **registerAccount** **priority: important** This use case creates a user account and is persisted through to database.

service contract The service contract for the registerAccount service is shown in figure below. The pre-conditions are enforced (raising the appropriate exception should they not be met) and the requested account is created and persisted through to database.

2. **Login**




epsImages/Authentication/serviceContract-eps-converted-to.pdf

Figure 2: Service contract for registering a new user account

3. Logout - priority: important

This use case allows a user to log out of the system safely.

Service contract: The service contract for logging out is shown below. The preconditions are enforced and the users session is ended, thus logging the user out of the system.



epsImages/Authentication/logoutServiceContract-eps-converted-to.pdf

Figure 3: Service contract for logging a user out of the system

4. EditAccount


5. **deleteAccount** **priority: important** This use case creates a user account and is persisted through to database.

service contract The service contract for the deleteAccount service is shown in figure below. The pre-conditions are enforced (raising the appropriate exception should they not be met) and the account of interest is deleted and changes are persisted through to database.

6. SuspendAccount - priority: important

This use case allows the system administrator to suspend a users account for any reason he/she may see as appropriate. A suspended account bars the user from logging in and/or using the account until the administrator lifts the suspension.

service contract: The service contract for the suspendAccount service is shown below.



epsImages/Authentication/deleteAccount-eps-converted-to.pdf

Figure 4: Service contract for deleting a users account

2.2 Manuscript Management

2.2.1 scope

This section provides the details use case requirements for the use cases offered by the Authentication module.

2.2.2 use cases

1. Create Manuscript - priority: critical

This use case creates a new project. It allows the user to give the manuscript a name and specify the privacy setting on it.

service contract: below is a figure of the createManuscript service contract.

2. deleteManuscript priority: important


This use case which removes manuscript and persists changes to the database.

service contract: The service contract for the deleteManuscript service is shown in figure below. The pre-conditions are enforced (raising the appropriate exception should they not be met) and the manuscript of interest is deleted and changes are persisted through to database.

3. linkToSocialMedia priority: important

important This use case which link manuscript to social media and create an automated post

service contract: The service contract for the linkToSocialMedia service is shown in figure below. The pre-conditions are enforced (raising the appropriate exception should they not be met) and a post for the manuscript of interest is created.



epsImages/Authentication/suspendServiceContract-eps-converted-to.pdf

Figure 5: Service contract for suspending a users account

4. **editManuscript** priority: important

This use case which allows one to edit manuscript and changes are persisted to database.

service contract: service contract The service contract for the editManuscript service is shown in figure below. The pre-conditions are enforced (raising the appropriate exception should they not be met) and the manuscript of interest is edited and changes are persisted to database

epsImages/ManuscriptManagement/createManuscriptServiceContract-eps-converted-to.pdf

Figure 6: Service contract for creating a new project (manuscript)

5. Evaluate Manuscript

6. Read Manuscript

7. Send Manuscript - priority: important

This use case allows a user to send a another user on the system the manuscript. This allows the recipient to access it and, depending on the priviledges afforded by the owner of the manuscript, be able to read/modify it.

service contract: below is a figure of the sendManuscript service contract.

2.3 Communication


2.3.1 scope

This section provides the details use case requirements for the use cases offered by the Authentication module.

2.3.2 use cases

1. Send Letter

2. View Letter - priority: important

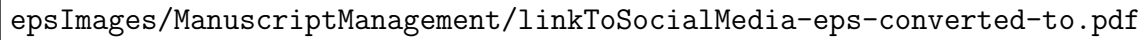


epsImages/ManuscriptManagement/deleteManuscript-eps-converted-to.pdf

Figure 7: Service contract for deleting a project (manuscript)

This use case allows a user to view one of the letters sent to him/her. The letter can be an editorial letter, contract offer or query letter etc.

service contract: Below is a diagram of a service contract of viewing a letter.

The image shows a service contract for linking a project (manuscript) to a social network. It is represented by a large, empty rectangular box with a thin black border. The text "epsImages/ManuscriptManagement/linkToSocialMedia-eps-converted-to.pdf" is located at the bottom left of the box.

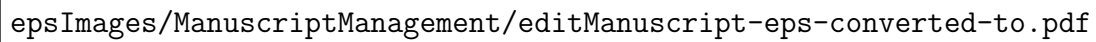
epsImages/ManuscriptManagement/linkToSocialMedia-eps-converted-to.pdf

Figure 8: Service contract for linking a project (manuscript) to a social network

3. **Comment** **priority: important**

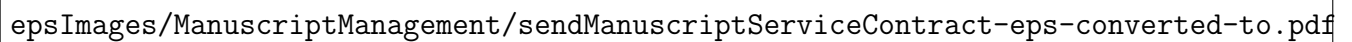
This use case which allows one to comment on a manuscript.

service contract: The service contract for the comment service is shown in figure below. The comments are added to the manuscript.

A rectangular box containing a file path.

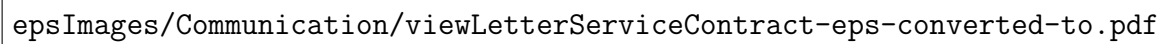
epsImages/ManuscriptManagement/editManuscript-eps-converted-to.pdf

Figure 9: Service contract for editing a project (manuscript)

A rectangular box containing a file path.

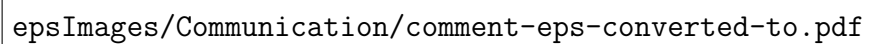
epsImages/ManuscriptManagement/sendManuscriptServiceContract-eps-converted-to.pdf

Figure 10: Service contract for sending a manuscript

A rectangular box containing a file path. The text is centered within the box.

epsImages/Communication/viewLetterServiceContract-eps-converted-to.pdf

Figure 11: Service contract for viewing a letter

A rectangular box containing a file path. The text is centered within the box.

epsImages/Communication/comment-eps-converted-to.pdf

Figure 12: Service contract for commenting on a manuscript