**List of requirements No. 2:**

1.Formation of a list of requirements for the project. Specification and validation of requirements. Use-case model.

* Creation of initial project documentation in the selected language (Ukrainian, English).
* Availability of the project name and description.
* Availability of a table or list of system roles with a description of each of them.
* Identification of system subsystems.
* Availability of a table with use cases and their brief descriptions for each subsystem and role.
* Availability of use-case diagrams corresponding to the above table using UML.
* Correctness of the specified roles, subsystems and corresponding use cases.
* Completeness of the system in the sense of having all the main use cases.
* Correct formatting of the document.
* Availability of a report on the work performed.

**My part:** For each subsystem, created a table with associated use-cases and provided a brief description of each use-case.

**Authorization System**

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| --- | --- | --- | --- |
| № | Role | Use case | Description |
| 1 | Guest | Guest log in | Log in as guest to view information about app functionality / relevant ToS. |
| 2 | Sign up | Sign up to get the “monoposter” privileges by providing first name, last name, email and password. |
| 3 | Log in | Log in using email and password specified during signup. |
| 4 | Reset password | Send a request to reset the password using the specified e-mail. |
| 5 | Monoposter | Log out | Log in using email and password. |
| 6 | Reset password | Send a request to reset the password through email. |

**Account Management System**

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| --- | --- | --- | --- |
| № | Role | Use case | Description |
| 1 | Guest | View information | Browse information about general app functionality, read ToS. |
| 2 | Monoposter | Request data extraction | Request data about this user stored on app’s servers, such as all provided apps credentials, templates, post ids(links). |
| 3 | Request data deletion | Request deletion of all or part of personal data stored on our servers (social media and monobank credentials, information about posts, jars, saved templates and so on) and/or total account deletion. |
| 4 | Edit account information | Edit personal information such as first name, last name. |

**Monobank Management System**

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| --- | --- | --- | --- |
| № | Role | Use case | Description |
| 1 | Guest | View information | Browse information about monobank usage ToS, functionality regarding monobank data fetching and analysis. |
| 2 | Upload csv file(s) | Upload csv file(s) obtained from any monobank user account to further analyze them. |
| 3 | Data science | Use uploaded csv file(s) to aggregate and analyze data. |
| 4 | Monoposter | View jar(s) | View completion progress of and/or statements from jar(s) that user owns(verified by api key) and track progress (less details) of any other jar. |
| 5 | Manage monobank api | Provide or revoke provided credentials to use monobank api to track user-created jars. |
| 6 | Manage jar(s) | Connect/disconnect jar(s) user created in monobank (verified by api key) by user with provided api key or any other user to view all available information (limited for jars created by users with different api keys). |
| 7 | Upload csv file(s) | Upload csv file(s) of monobank jar(s) statement(s) of any user, add labels. |
| 8 | Data science | Having chosen the relevant connected jar(s) user owns and/or csv file(s), use this data for further data aggregation and data science. |
| 9 | Save data science results | Save information acquired during data science through uploading to MonoPost servers or saving it as a file. |

**Posting System**

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| --- | --- | --- | --- |
| № | Role | Use case | Description |
| 1 | Guest | View information | Browse information about social media apps that can be connected, relevant usage ToS, functionality regarding posting subsystem. |
| 2 | Monoposter | Input/edit text | Type and edit text captions to be used for the next post or saved as a part of a template. |
| 3 | Upload file(s) | Upload media file(s) to be used for the next post or saved as a part of a template. |
| 4 | Template management | Create and save information as a template for future use. Delete/update information stored as templates. |
| 5 | Manage social media app(s) information | Add/update/delete credentials used to connect to social media app(s). |
| 6 | Post to social media | Enter text and upload media file(s)/choose one of templates. Then choose any number of connected social media apps to post to. |
| 7 | View engagement stats | View engagement statistics of the recent posts. |

**User Management System**

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| --- | --- | --- | --- |
| № | Role | Use case | Description |
| 1 | Admin | Manage user credentials | View/add/delete/update existing user(s) credentials (personal information included). |
| 2 | Manage templates | View/add/delete/update users template(s). |
| 3 | Monitor system activity | Access and view system logs to track user activity. |
| 4 | Restrict users | Restrict users’ usage of MonoPost app forever or temporarily for violation of ToS. Restrict usage of particular social media app(s), template(s), jar(s) and/or monobank temporarily or forever. |

**Link to my part:**

https://docs.google.com/document/d/1as\_Tw6055BifhD8Re7lvpwmwjMZDvZRftgMNtBi0R-A/edit

**Link to the entire document:** https://docs.google.com/document/d/1CmGX\_5DZN1xm\_ofgaJm0zgvEXesJm7sZwRd58ep2ryU/edit