Animal management system

As a user I want to view page of animals and choose one.

There are should be ability to have donate money to charity

Admin should have the ability to sign-up, login, change password, edit profile information, manage animals.

### Work separation

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| # | **Main task** | **Additional task** |  |
| 1 | **Admin management**  sign-up, login, change password, edit profile information for admin | Create SpringBoot application; Configure spring security;  Add Travis CI and SonarQube to github; | Mariia |
| 2 | **Animal management**  create, update, delete, soft-delete  post: api/animals – create  put: api/animals/{animalid} – update  get: api/animals/{animalId} – get by id  get: api/animals – get all  optional:  delete: api/animals/{animalid} – delete  patch: api/animals/{animalid} – soft-delete(archive) | Create UML-diagram;  Optiomal:  (integrate Liquibase / Flyway) | Anna |
| 3 | **Order management**  Create order, delete  Oksana:  post: api/orders – create  put: api/orders/{orderId} – update (only for admin)  Ivan:  get: api/orders/{orderId} – get by id  get: api/orders – get all  optional:  patch: api/oders/cancel/{orderid} – cancel  patch: api/oders/confirm/{orderid} – confirm  delete: api/oders/{orderid} – delete | Setup Trello;  Configure email messages | Oksana |
| 4 | **Sort & Filter management**  get: api/animals – get all animals (only with active field)  get: api/orders – get all orders  optional:  get: api/oders/export – export into file(.doc, .excel) | Create DB structure;  Optional: websocket | Ivan |

### Technology stack:

* PostgreSQL
* Gradle
* Hibernate/Spring JPA
* Java11
* Spring Boot (Spring Ioc, Security)
* FreeMarker/Bootstrap
* Apache Tomcat
* HTML, CSS
* Travis CI, SonarQube
* Mockito/Junit5
* Log4j2
* Docker

User can:

* Вибрати тваринку
* Заповнити форму і отримати на пошту підтвердження
* Перегляди інформацію про тварин
* Фільтрувати тварин
* Робити пожертву

Admin can:

* Додати нову тварину
* Редагувати тварину
* Робити пошук замовлень у списку за ідентифікатором
* Редагувати замовлення
* Підтвердити або відхилити форму з повідомленням
* Видалити тварину