**ENTITY:**

***Applicant:***

**private String** applicantID**;**

***User:***

**public static final int** DEFAULT\_USER\_AGE **= 0;**

**public static final String** DEFAULT\_USER\_NAME **= "";**

**public static final String** DEFAULT\_USER\_ID **= "";**

**private String userID =** DEFAULT\_USER\_ID**;**

**private String name =** DEFAULT\_USER\_NAME**;**

**private int age =** DEFAULT\_USER\_AGE**;**

***Group:***

**private String** groupID**;**

**private List<Applicant>** applicantsInGroup = new ArrayList<>()**;**

**SERVICES:**

**UserManager:**

resource path: “/users”

method: GET - **public** ResponseEntity**<**List**<**User**>>** **getUsers() -** *returns list of all Users*

method: POST - **public** ResponseEntity**<**User**>** **postNewUser -** *adds a new User in a list*

resource path: “/users/userId”

method: GET - **public** @ResponseBody ArrayList**<**String**>** **getAllUsersID() -** *returns list of all userID*

resource path: “/users/{user\_id}”

methods: GET - **public** @ResponseBody User **getUserByID(**@PathVariable String userID**) -** *returns a User by his userID*

PUT - **public** ResponseEntity**<**User**>** **editUser (**@RequestBody User editedUser**)-**

*edit User by his userID*

DELETE - **public** ResponseEntity**<**String**>** **deleteUserByID(**@PathVariable String userID**) -** *delete User by his userID*

resource path: “/users/roles”

method: GET - *returns a List of all roleID*

resource path: “/users/roles/{role\_id}”

method: GET - *returns User by his roleID*

**ApplicantManager:**

resource path: “/applicants”

methods: GET - **public** ResponseEntity**<*String*> getApplicants() -** *get all applicants*

POST - **public** ResponseEntity**<*Applicant*>** **addNewApplicant** **Applicant applicant) -** *add new applicant*

resource path: “/applicants/applicantId”

methods: GET - **public** ResponseEntity**<*List*<*String*>>** **getApplicantIDs() -** *get all applicants ID*

resource path: “/applicants/{applicant\_id}”

methods: GET - **public** @ResponseBody ***Applicant* getApplicantById(** **String applicantId) -** *get applicant by his ID*

PUT - **public** ResponseEntity**<*Applicant*>** **editApplicant(Applicant applicant)** - *edit applicant*

resource path: “applicants/groups/{group\_id}”

method: GET - **public** ResponseEntity**<*String*>** **getApplicantsByGroupID(String groupID) -** *get all applicants with specefied ID.*

**23.06.2014**

resource path: “applicants/groups”

merhod: GET - *returns a list of all Groups*

resource path: “applicants/groups/groupId”

merhod: GET - *returns a list of groupID*