1. DB SCHEMA - db/db\_description.txt
2. By default next tables should be filled:
   1. T\_ROLES
   2. T\_PRIVILEGES
   3. T\_ROLE\_PRIVILEGES
   4. T\_GROUPS
   5. T\_GROUP\_ROLES
   6. T\_STATUS\_TYPES
3. Registration: when new user registration, he should fill next fields:
   1. username(T\_ACCOUNTS.ACCOUNT\_USERNAME)
   2. password(T\_ACCOUNTS. ACCOUNT\_PASSWORD)
   3. repeat password
   4. firstname(T\_USERS. USER\_FIRSTNAME)
   5. lastname(T\_USERS. USER\_LASTNAME)
   6. middlename(T\_USERS. USER\_MIDDLENAME)\*
   7. email(T\_USERS. USER\_EMAIL)
   8. phone(T\_USERS. USER\_PHONE)
   9. gender(T\_USERS. USER\_GENDER)
   10. date\_of\_birth(T\_USERS. USER\_DATE\_OF\_BIRTH)
   11. site\_url(T\_USERS. USER\_SITE)\*
   12. T\_USERS. USER\_ACTIVE by default false
   13. T\_USERS. ADD\_USER\_DATE\_TIME set current date
4. In T\_ACCOUNTS should be trigger after insert, which will be add current user id set to the
5. After registration: in oracle DB ran scheduler every 1 min and check if T\_USERS. USER\_ACTIVE is false, then in table T\_ACK\_GENERATION.GEN\_URL generate url with length 81 symbols and generate password to 24 hours T\_ACK\_GENERATION.GEN\_PASSWORD generated password with length 29 symbols, pattern([\\w]), T\_ACK\_GENERATION.GEN\_TIMESTAMP current time and user id T\_ACK\_GENERATION.GEN\_USER\_ID
   1. Need add new table T\_ACK\_GENERATION
   2. Add job and scheduler
   3. Add new package with procedures and functions
   4. Add other scheduler, which checked if
6. Acknowledgment registration: when user finished registration process, send him link and password, which change T\_USERS. USER\_ACTIVE to true.