**Functional Testing Checklist**

**Registration**

1. Field “First Name”
   1. Positive
      1. 2 symbols
      2. 3 symbols
      3. 20 symbols
      4. 127 symbols
      5. 128 symbols
      6. Uppercase Latin letters
      7. Lowercase Latin letters
      8. Mixed case Latin letters
      9. Contains spaces
      10. Contains hyphens
   2. Negative
      1. Empty field
      2. 1 symbol
      3. 129 symbols
      4. 203 symbols
      5. Contains non-Latin letters
      6. Contains special characters (except spaces and hyphens)
2. Field “Last Name”
   1. Positive
      1. 2 symbols
      2. 3 symbols
      3. 20 symbols
      4. 127 symbols
      5. 128 symbols
      6. Uppercase Latin letters
      7. Lowercase Latin letters
      8. Mixed case Latin letters
      9. Contains spaces
      10. Contains hyphens
   2. Negative
      1. Empty field
      2. 1 symbol
      3. 129 symbols
      4. 203 symbols
      5. Contains non-Latin letters
      6. Contains special characters (except spaces and hyphens)
3. Field “Email”
   1. Positive
      1. Local-part consists of Latin letters, digits, dots and special characters (dots is not the first or last)
      2. Local-part contains max 64 symbols
      3. Domain contains max 255 symbols
      4. Domain DNS labels contain max 63 symbols
      5. Contains one and only one “@”
      6. Domain consists of Latin letters, digits, dots and hyphens (not the first or last)
   2. Negative
      1. Empty field
      2. Contains non-Latin letters
      3. Local-part contains more than 64 symbols
      4. Domain contains more than 255 symbols
      5. Domain DNS labels contain more than 63 symbols
      6. Contains several “@”
      7. Contains several dots in a row
      8. Without local-part, domain or “@”
      9. Dots is the first or last in local-part
      10. Hyphens is the first or last in domain
4. Field “Password”
   1. Positive
      1. 8 symbols
      2. 9 symbols
      3. 20 symbols
      4. 127 symbols
      5. 128 symbols
      6. Contains at least one letter and one digit
      7. Includes special characters @$!%\*?&
   2. Negative
      1. Empty field
      2. 7 symbols
      3. 3 symbols
      4. 129 symbols
      5. 203 symbols
      6. Contains special characters except @$!%\*?&
      7. Doesn’t contain at least one letter and one digit

**Authorization**

**Decision Table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Rule1 | Rule2 | Rule3 | Rule4 |
| Conditions | valid email | Y | Y | Y | N |
| registered email | Y | N | Y | - |
| correct password | Y | - | N | - |
| Actions | Authorization | X |  |  |  |
| Message: “Email is not registered” |  | X |  |  |
| Message: “Password is incorrect” |  |  | X |  |
| Message: “Email is incorrect” |  |  |  | X |