1. Create test cases with test data for this screen (40%)

The requirements are:

* + Cannot use a registered email, if user input a registered email, an error message will be shown “Email yang anda masukan telah terdaftar”
  + There is a validation of the email address format (xxxxx@xxxxx.xxx).
  + Cannot use a registered number, if user input a registered number, an error message will be shown “Nomor yang anda masukan telah terdaftar”
  + There is a validation of the telephone number format using +62 and 08, min char 10, max char 20
  + Passwords must contain uppercase, lowercase, and numbers. min 8 characters
  + Passwords confirmation must be equal with the password entered
  + All fields in the registration screen are mandatory
  + If the user already completed the registration form and click “Daftar”, the user will be redirected to the Phone Number verification screen
  + Kode Verifikasi will be sent to the user's phone after user input “Nomor Telepon”.
  + Kode verifikasi will be verified when the user clicks “Masuk”. If user inputs correct code, user will be redirected to the Log in screen
  + If the user clicks “Daftar” on Phone Verification Screen, user will be redirected back to the Registration Screen
  + If the user already has an account and clicks "Sudah punya akun?" the user will

be immediately redirected to the Log in screen

1. Create test cases with test data for this screen (40%)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case User Registration, Verification, Log in (Daftar, Verifikasi Nomor, Masuk)** | | | | | |  |  | |
| **TC Code** | **Menu/ Form/ Page** | **Type Test** | **Description Test** | **Test Step** | **Pre-condition** | **Expected Result** | | **Actual Result** | |
| TC-1.001 | User Registration - Daftar | Positive | User Registration input complete with format Nomor Telepon “08” | 1. Access menu User Registartion (Daftar)  2. Input All field with “**Nomor Telepon**” format “**08**”  3. Click “**Daftar**” button | 1. User must access to menu User Registration (Daftar)  2. “**Alamat Email**” must using format ([xxxxx@xxxxx.xxx](mailto:xxxxx@xxxxx.xxx))  3. “**Nomor Telepon**” must using format +62 and 08, min char 10, max char 20  4. “**Kata Sandi**” must contain uppercase, lowercase, and numbers. min 8 characters  5. “**Konfirmasi Kata Sandi**” must be equal with “**Kata Sandi**” | make sure the user will be redirected to the Phone Number verification screen | | - | |
| TC-1.002 | User Registration - Daftar | Positive | User Registration input complete with format Nomor Telepon “+62” | 1. Access menu User Registartion (Daftar)  2. Input All fields with “**Nomor Telepon**” format “**+62**”  3. Click “**Daftar**” button | 1. User must access to menu User Registration (Daftar)  2. “**Alamat Email**” must using format ([xxxxx@xxxxx.xxx](mailto:xxxxx@xxxxx.xxx))  3. “**Nomor Telepon**” must using format +62 and 08, min char 10, max char 20  4. “**Kata Sandi**” must contain uppercase, lowercase, and numbers. min 8 characters  5. “**Konfirmasi Kata Sandi**” must be equal with “**Kata Sandi**” | make sure the user will be redirected to the Phone Number verification screen | | - | |
| TC-1.003 | User Registration - Daftar | Negative | User Registration input not complete | 1. Access menu User Registartion (Daftar)  2. Input All fields and blank “**Nomor Telepon**”  3. Click “**Daftar**” button | 1. User must access to menu User Registration (Daftar)  2. All fields in the registration screen are mandatory | make sure button "**Daftar**" disabled and can not click | | - | |
| TC-1.004 | User Registration - Daftar | Negative | User Registration validation for “Alamat Email” not match format | 1. Access menu User Registartion (Daftar)  2. Input All fields complete with  **“Alamat Email**” format : “**xxxx.gmail.com**:”  3. Click “**Daftar**” button | 1. User must access to menu User Registration (Daftar)  2. “**Alamat Email**” format ([xxxxx@xxxxx.xxx](mailto:xxxxx@xxxxx.xxx)) | make sure will be shown message “**Alamat Email Not Match and format** **must use** ([xxxxx@xxxxx.xxx](mailto:xxxxx@xxxxx.xxx))” and button "**Daftar**" disabled and can not click | | - | |
| TC-1.005 | User Registration - Daftar | Negative | User Registration validation for “Alamat Email” existing | 1. Access menu User Registartion (Daftar)  2. Input All fields complete with  **“Alamat Email**” existing, example : input complete before : [abc@gmail.com](mailto:abc@gmail.com) and now input : **abc@gmail.com**  3. Click “**Daftar**” button | 1. User must access to menu User Registration (Daftar)  2. “**Alamat Email**” format ([xxxxx@xxxxx.xxx](mailto:xxxxx@xxxxx.xxx)) | make sure will show error message “**Email yang anda masukan telah terdaftar**” and button "**Daftar**" disabled and can not click | | - | |
| TC-1.006 | User Registration - Daftar | Negative | User Registration validation for “Nomor Telepon” less than 10 char | 1. Access menu User Registartion (Daftar)  2. Input All fields complete with  **“Nomor Telepon**” less than 10 char  3. Click “**Daftar**” button | 1. User must access to menu User Registration (Daftar)  2. “**Nomor Telepon**” must using format +62 and 08, min char 10, max char 20 | make sure will show error message “**must using format +62 and 08, min char 10, max char 20**” and button "**Daftar**" disabled and can not click | | - | |
| TC-1.007 | User Registration - Daftar | Negative | User Registration validation for “Nomor Telepon” more than 20 char | 1. Access menu User Registartion (Daftar)  2. Input All fields complete with  **“Nomor Telepon**” more than 20 char  3. Click “**Daftar**” button | 1. User must access to menu User Registration (Daftar)  2. “**Nomor Telepon**” must using format +62 and 08, min char 10, max char 20 | make sure will show error message “**must using format +62 and 08, min char 10, max char 20**” and button "**Daftar**" disabled and can not click | | - | |
| TC-1.008 | User Registration - Daftar | Negative | User Registration validation for “Nomor Telepon” with format not match | 1. Access menu User Registartion (Daftar)  2. Input All fields complete with  **“Nomor Telepon**” not macth, example input : **1234567890**  3. Click “**Daftar**” button | 1. User must access to menu User Registration (Daftar)  2. “**Nomor Telepon**” must using format +62 and 08, min char 10, max char 20 | make sure will show error message “**must using format +62 and 08, min char 10, max char 20**” and button "**Daftar**" disabled and can not click | | - | |
| TC-1.009 | User Registration - Daftar | Negative | User Registration validation for “Nomor Telepon” existing | 1. Access menu User Registartion (Daftar)  2. Input All fields complete with  **“Nomor Telepon**” not macth, example input before : +6285682273466**,** and now : **085682273466**  3. Click “**Daftar**” button | 1. User must access to menu User Registration (Daftar)  2. “**Nomor Telepon**” must using format +62 and 08, min char 10, max char 20 | make sure will show error message “**Nomor yang anda masukan telah terdaftar**” and button "**Daftar**" disabled and can not click | | - | |
| TC-1.010 | User Registration - Daftar | Negative | User Registration validation for “Kata Sandi” not match | 1. Access menu User Registartion (Daftar)  2. Input All fields complete with  **“Password**” not match, example input : **1234abcd**  3. Click “**Daftar**” button | 1. User must access to menu User Registration (Daftar)  2. “**Kata Sandi**” must contain uppercase, lowercase, and numbers. min 8 characters | make sure will show error message “**must contain uppercase, lowercase, and numbers. min 8 characters**” and button "**Daftar**" disabled and can not click | | - | |
| TC-2.001 | User Registration – Daftar – Verifikasi Nomor | Positive | User Registration Verifikasi Nomor with “**Kode Verifikasi**”correct (continue **TC-1.002** / **TC-1.002**) | 1. Process **TC-1.001**  2. In “**Verifikasi Nomor**”, input “**Nomor Telepon**” correct  3. input “**Kode Verifikasi**” Correct  4. Click “**Masuk**” button | 1. User already complete User Registration  2. Use “**Nomor Telepon**” already Registration  3. Input “**Kode Verifikasi**” must correct | Make sure Kode Verifikasi will be sent to the user's phone after user input “Nomor Telepon”.  Kode verifikasi will be verified when the user clicks “Masuk”.  If user inputs orrect code, user will be redirected to the Log in screen | | - | |
| TC-2.002 | User Registration – Daftar – Verifikasi Nomor | Negative | User Registration Verifikasi Nomor with “**Kode Verifikasi**” not correct | 1. Process **TC-1.001**  2. In “**Verifikasi Nomor**”, input “**Nomor Telepon**” correct  3. input “**Kode Verifikasi**” not correct  4. Click “**Masuk**” button | 1. User already complete User Registration  2. Use “**Nomor Telepon**” already Registration  3. Input “**Kode Verifikasi**” must correct | Error Appears “ Kode Verifikasi “ Not match and User still in “Verifikasi Nomor” Form | | - | |
| TC-2.003 | Verifikasi Nomor – Butuh bantuan? | Positive | Verify click “**Butuh bantuan?**” | 1. Access menu “**Verifikasi Nomor**”  2. Click “**Butuh bantuan?**” | 1. User must access to “**Verifikasi Nomor**” | Make sure will be redirected to screen “**Butuh bantuan?**” | | - | |
| TC-2.004 | Verifikasi Nomor – Daftar | Positive | Verify click “**Daftar**” | 1. Access menu “**Verifikasi Nomor**”  2. Click “**Daftar**” button | 1. User must access to “**Verifikasi Nomor**” | Make sure will be redirected to screen “**Daftar**” | | - | |
| TC-3.001 | Sudah punya akun? – Masuk (Log in) | Positive | User Log in With “**Email**” correct | 1. On screen “Daftar”, click “sudah punya akun?”  2. Input “**Email**” correct  3. Input “**Kata Sandi**” correct  4. Click “**Masuk**” button | 1. User must access to Log in (masuk) form  2. User already has an account | Make sure user Log in Successfull | | - | |
| TC-3.002 | Sudah punya akun? – Masuk (Log in) | Positive | User Log in With “**Nomor Telepon**” correct | 1. On screen “Daftar”, click “sudah punya akun?”  2. Input “**Nomor Telepon**” correct  3. Input “**Kata Sandi**” correct  4. Click “**Masuk**” button | 1. User must access to Log in (masuk) form  2. User already has an account | Make sure user Log in Successfull | | - | |  |
| TC-3.003 | Sudah punya akun? – Batal | Positive | User Batal Log in (Masuk) | 1. On screen “Daftar”, click “sudah punya akun?”  2. Input “**Email**” correct  3. Input “**Kata Sandi**” correct  4. Click “**Batal**” button | 1. User must access to Log in (masuk) form  2. User already has an account | Make sure user will back screen “**Daftar**” | | - | |  |
| TC-3.004 | Sudah punya akun? – Lupa password | Positive | User Log in verify Lupa password | 1. On screen “Daftar”, click “sudah punya akun?”  2. Click “Lupa password” | 1. User must access to Log in (masuk) form  2. User already has an account | Make sure user will redirected screen “**Lupa password**” | | - | |  |
| TC-3.005 | Sudah punya akun? – Butuh bantuan? | Positive | User Log in verify Butuh bantuan? | 1. On screen “Daftar”, click “sudah punya akun?”  2. Click “Butuh bantuan” | 1. User must access to Log in (masuk) form  2. User already has an account | Make sure user will redirected screen “**Butuh bantuan**” | | - | |  |

Note :

\***Coloum** **Actual status** : Will be filled Pass / Failed if QA already finish testing

2. Size the testing effort needed by QA to complete the feature in Question no 1. (10%) ?

|  |  |
| --- | --- |
| Story Points | Story |
| 3 | User registration new account, if the doesn’t have an account |
| 3 | Verification Telephone Number with Verification code |
| 3 | User Log in with email/Nomor telepon and password valid |

3. Assuming that while you are doing some testing on the login page, you encountered

some issues. (30%)

These issues are:

* After inputting correct credentials, when you press Masuk button, nothing

Happened

* There is no “Lupa Password” button

How would you report these two issues? You are free to come up with different ways to report those issues based on your experience of writing defects.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Defect ID | Test Case ID | Description | Step | Expected | Priority | Reporter | Date Created | Date Closed | Evidence | Remarks |
| Defect\_001 | TC-3.001 | After inputting correct credentials, when you press Masuk button, nothing Happened  Email : abcd@gmail.com  Password : Password100 | 1. Input Email / Nomor Telepon  2. Input Password  3.User clicks “Masuk” Button | After User input Valid Email / Nomor Telepon and Password , and then click “Masuk” button, shoulf be Log in Success and the Screen direct to Home Page | High | Roy | 05-Feb-2024 | - | - | has Confirm to developper, there improvement and solve in button "**Masuk**" |
| Defect\_002 | TC-3.004 | There is no “Lupa Password” button | 1. On screen “Daftar”, click “sudah punya akun?” | Should be button “**Lupa password**” appear in form “**Masuk**” | medium | Roy | 05-Feb-2024 | - | - | has Confirm to developper, there improvement and solve in form "**Masuk**" |

\*note :

-Evidence: will be filled if the QA has already done the testing

-Date closed : will be filled date closed, after QA Testing and result bug closed

4. What is API Testing? What must be checked when performing API testing? (20%)

1. API testing is software testing that focuses on verifying and validating the functionality, reliability, performance, and security.
2. What must be checked when performing API testing ?

When API testing, several aspects need to be checked, Here are key areas to focus on during API testing :

- Request and Response Validation

- Data Accuracy

- Functionality Testing

- Security Testing

- Performance Testing

- Error handling, Error codes in case API returns

- Test the API's compatibility with different operating systems, browsers, and devices

- Check the clarity of error messages and the overall developer experience