

## Technical Testing Maulana Gandawijaya

- Unit Test

Authentication Backend Logic			
Kasus Uji	Testing	Hasil	Jenis Testing
Memasukan email dan password login page	Parsing data email dan password ke controller	Jika berhasil maka akan create session lalu redirect ke home page jika status terverifikasi dan jika belum terverifikasi maka akan redirect page verifikasi. Jika gagal akan parsing data dengan response fail, memunculkan notice fail di bawah form email.	Black Box Testing
Input data pada form registrasi	Parsing data nama, email dan password.	Jika berhasil maka akan redirect ke page verifikasi akun. Jika memasukan email yang sudah ada maka akan response notice email sudah ada dibawah form email.	Black Box Testing
Input data pada form lupa password	Parsing data email.	Validasi tipe email, mengirimkan email dengan service smtp gmail, check status pengiriman email jika berhasil akan parsing response dengan notice di page verifikasi bahwa link telah dikirim. Jika email tidak terdaftar maka akan parsing response email tidak ditemukan.	Black Box Testing
Verifikasi Email	Verifikasi setelah login	Validasi jika akun sudah verifikasi maka akan passing direct ke homepage jika belum harus verifikasi dan ketika verifikasi dilakukan akan mengirimkan email via service smtp	Black Box Testing

		untuk link verifikasi, dan verifikasi dilakukan dengan unik token yang di generate.	
Rubah Password Page Profile	Parsing password baru dan lama	Jika berhasil password akan berhasil. Jika gagal akan parsing error response.	Black Box Testing

Home Page Backend Logic			
Kasus Uji	Testing	Hasil	Jenis Testing
Home Page	Get route homepage	Memunculkan data user yang login. Jika data kosong akan response dengan data null. Route perlu autentikasi dan verifikasi.	Black Box Testing

User List Backend Logic			
Kasus Uji	Testing	Hasil	Jenis Testing
User List Page	Get route users	Memunculkan data user yang terdaftar. Jika data kosong akan response dengan data null. Route perlu autentikasi dan verifikasi.	Black Box Testing
Filter user status verifikasi	Get route user with parsing data status	Memunculkan data sesuai value status yang dikirim dan jika kosong mengambil semua data.	Black Box Testing
Search user sesuai nama dan email	Get route user with parsing data search	Memunculkan data sesuai value search yang dikirim dan jika kosong mengambil semua data. Dengan tambahan query LIKE untuk memaksimalkan pencarian.	Black Box Testing

Book Management Backend Logic			
Kasus Uji	Testing	Hasil	Jenis Testing
Page List Buku	Get route books	Memunculkan data buku yang terdaftar. Jika data kosong akan response dengan data	Black Box Testing

		null. Route perlu autentikasi dan verifikasi.	
Create / Insert Data	Post data title, author, description, thumbnail, rating.	Validasi semua value yang diparsing. Jika berhasil akan create lalu redirect ke page list buku. Jika gagal akan response error dengan notifikasi gagal yang sudah di handle try catch pada sisi front end.	Black Box Testing
Delete Data	Delete by id	Validasi pencarian data by id lalu melakukan delete dan akan redirect ke page list books dengan response success.	Black Box Testing
Update Data	Put by id data title, author, description, thumbnail, rating.	Validasi data jika ditemukan akan melakukan update dan redirect ke page list books dengan response success.	Black Box Testing
View Data	Get by id	Parsing data id dan melakukan pencarian data jika berhasil akan redirect ke page detail dengan data yang dipilih.	Black Box Testing

Landing Backend Logic			
Kasus Uji	Testing	Hasil	Jenis Testing
Landing	Get route index /	Memunculkan data buku yang terdaftar. Jika data kosong akan response dengan data null. Route tidak perlu autentikasi dan verifikasi.	Black Box Testing
View Detail	Get route booksDetail dengan id	Parsing data id dan melakukan pencarian data jika berhasil akan redirect ke page detail landing dengan data yang dipilih.	Black Box Testing

- Integration Test (Basic Laravel Test)

Authentication and User	
Testing	Result
<pre> PASS Tests\Feature\Auth\AuthenticationTest ✓ login screen can be rendered ✓ users can authenticate using the login screen ✓ users can not authenticate with invalid password ✓ users can logout  PASS Tests\Feature\Auth\EmailVerificationTest ✓ email verification screen can be rendered ✓ email can be verified ✓ email is not verified with invalid hash  PASS Tests\Feature\Auth\PasswordConfirmationTest ✓ confirm password screen can be rendered ✓ password can be confirmed ✓ password is not confirmed with invalid password  PASS Tests\Feature\Auth\PasswordResetTest ✓ reset password link screen can be rendered ✓ reset password link can be requested ✓ reset password screen can be rendered ✓ password can be reset with valid token  PASS Tests\Feature\Auth\PasswordUpdateTest ✓ password can be updated ✓ correct password must be provided to update password  PASS Tests\Feature\Auth\RegistrationTest ✓ registration screen can be rendered ✓ new users can register  PASS Tests\Feature\ExampleTest ✓ the application returns a successful response  PASS Tests\Feature\ProfileTest ✓ profile page is displayed ✓ profile information can be updated ✓ email verification status is unchanged when the email address is unchanged ✓ user can delete their account ✓ correct password must be provided to delete account  Tests: 25 passed (61 assertions) Duration: 3.82s  Top 10 slowest tests: Tests\Feature\Auth\AuthenticationTest &gt; login screen can be rendered Tests\Feature\Auth\PasswordConfirmationTest &gt; password is not confirmed with invalid password Tests\Feature\Auth\AuthenticationTest &gt; users can not authenticate with invalid password Tests\Feature\Auth\AuthenticationTest &gt; users can authenticate using the login screen Tests\Feature\Auth\PasswordResetTest &gt; reset password link can be requested Tests\Feature\ProfileTest &gt; user can delete their account Tests\Feature\Auth\PasswordConfirmationTest &gt; confirm password screen can be rendered Tests\Feature\Auth\PasswordResetTest &gt; reset password link screen can be rendered Tests\Feature\Auth\PasswordConfirmationTest &gt; password can be confirmed Tests\Feature\ExampleTest &gt; the application returns a successful response </pre>	25 Passed

Authentication and User	
Testing	Result
<pre> PS C:\xampp\htdocs\MaulanaGandawijaya_fdtest\MaulanaGandawijaya_fdtest&gt; php artisan test tests/Feature/UserList  PASS Tests\Feature\UserList ✓ it returns all users ✓ it filters verified users ✓ it filters unverified users ✓ it searches users by name or email  Tests: 4 passed (48 assertions) Duration: 1.12s </pre>	4 Passed

Authentication and User	
Testing	Result
<pre>PS C:\xampp\htdocs\MaulanaGandawijaya_fdtest\MaulanaGandawijaya_fdtest&gt; npm test PASS Tests\Feature\BookList   ✓ it displays all books   ✓ it creates a new book   ✓ it deletes a book   ✓ it updates a book   ✓ it shows a book detail  Tests: 5 passed (33 assertions) Duration: 1.24s</pre>	5 Passed