

BACKEND API – AWANTUNAI CHALLENGE

(Kornelius Irfandhi)

1. Register

URL	http://localhost:8081/awantunai/api/v1/member/register
Method	POST
Headers	Content-Type : application/x-www-form-urlencoded
Parameters	name (string) nik (string) npwp (string) pin (string)
Response Example	{ "result": "OK", "accountNo": "41955401" }

2. Login

URL	http://localhost:8081/awantunai/api/v1/member/login
Method	POST
Headers	Content-Type : application/x-www-form-urlencoded
Parameters	accountNo (string) pin (string)
Response Example (Normal)	{ "result": "OK" }
Response Example (Failed to login)	{ "error": "Invalid AccountNo / PIN" }

3. Deposit

URL	http://localhost:8081/awantunai/api/v1/transaction/deposit
Method	POST
Headers	Content-Type : application/x-www-form-urlencoded
Parameters	accountNo (string) amount (string) sign (string) : MD5 (SHA256 (PIN) + SHA256 (AccountNo))
Response Example	{ "result": "OK", "lastBalance": "2800000" }

4. Withdrawal

URL	http://localhost:8081/awantunai/api/v1/transaction/withdrawal
Method	POST
Headers	Content-Type : application/x-www-form-urlencoded
Parameters	accountNo (string) amount (string) sign (string) : MD5 (SHA256 (PIN) + SHA256 (AccountNo))
Response Example (Normal)	{ "result": "OK", "lastBalance": "2800000" }
Response Example (Balance is not enough)	{ "error": "Nominal Saldo Penarikan Tidak Mencukupi" }

5. Transfer Inquiry

URL	http://localhost:8081/awantunai/api/v1/transaction/transfer/inquiry
Method	POST
Headers	Content-Type : application/x-www-form-urlencoded
Parameters	accountNo1 (string) : Sender accountNo2 (string) : Receiver amount (string) sign (string) : MD5 (SHA256 (PIN) + SHA256 (AccountNo))
Response Example (Normal)	{ "result": "OK", "amount": 300000, "accountNo": "82075319", "accountOwner": "Kornelius Irfandhi" }
Response Example (Balance is not enough)	{ "error": "Nominal Saldo Tidak Mencukupi" }
Response Example (Invalid accountNo)	{ "error": "Nomor Rekening Tujuan Tidak Ditemukan" }

6. Transfer Proceed

URL	http://localhost:8081/awantunai/api/v1/transaction/transfer/proceed
Method	POST
Headers	Content-Type : application/x-www-form-urlencoded
Parameters	accountNo1 (string) : Sender accountNo2 (string) : Receiver amount (string) sign (string) : MD5 (SHA256 (PIN) + SHA256 (AccountNo))
Response Example	{ "result": "OK", "lastBalance": "2800000" }

7. Transaction History

URL	http://localhost:8081/awantunai/api/v1/member/history
Method	GET
Headers	Content-Type : application/x-www-form-urlencoded
Parameters	accountNo (string) sign (string) : MD5 (SHA256 (PIN) + SHA256 (AccountNo))
Response Example (Normal)	{ "result": "OK", "history": [{ "id": 9, "type": "TRANSFER_SEND", "lastBalance": 2800000, "trxDate": 1529577852000, "accountNo1": "95929005", "accountNo2": "82075319", "debet": 250000, "credit": null }, { "id": 8, "type": "DEPOSIT", "lastBalance": 3050000, "trxDate": 1529577686000, "accountNo1": "95929005", "accountNo2": null, "debet": null, "credit": 3000000 }, { "id": 7, "type": "WITHDRAWAL", "lastBalance": 50000, "trxDate": 1529577659000, }] }

	<pre> "accountNo1": "95929005", "accountNo2": null, "debet": 30000, "credit": null }] }</pre>
Response Example (No history)	<pre> { "error": "No transaction history" }</pre>

8. Transaction History By Type

URL	http://localhost:8081/awantunai/api/v1/member/history
Method	POST
Headers	Content-Type : application/x-www-form-urlencoded
Parameters	accountNo (string) sign (string) : MD5 (SHA256 (PIN) + SHA256 (AccountNo)) type (string) : DEPOSIT / WITHDRAWAL / TRANSFER_SEND / TRANSFER_RECEIVE
Response Example (Normal)	<pre> { "result": "OK", "history": [{ "id": 9, "type": "TRANSFER_SEND", "lastBalance": 2800000, "trxDate": 1529577852000, "accountNo1": "95929005", "accountNo2": "82075319", "debet": 250000, "credit": null }] }</pre>
Response Example (No history)	<pre> { "error": "No transaction history" }</pre>

9. Error Message When Invalid Sign

Response Example	<pre>{ "error": "Invalid Sign" }</pre>
------------------	--

10. Error Message When Empty Value

Response Example	<pre>{ "errors": [{ "error": "accountNo is empty" }, { "error": "sign is empty" }] }</pre>
------------------	--