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| S/N | Description | Test Procedure | Input Test Data | Error Message | Expected Result | Actual Results | Pass/Fail |
| 1 | Users attempt to authenticate without username/password | Postman:  Users leave the username/password blank | URL: <http://localhost:8084/app/json/authenticate>  Username:  Password: | {  "status": "error",  "message": [  "missing username",  "missing password"  ]  } | Show Error message | {  "status": "error",  "message": [  "missing password",  "missing username"  ]  } | Pass |
| 2 | Users attempt to authenticate without username/password | Postman:  Users only enter spaces for username/password | URL: <http://localhost:8084/app/json/authenticate>  Username: spaces  Password: spaces | {  "status": "error",  "message": [  "blank username",  "blank password"  ]  } | Show Error message | {  "status": "error",  "message": [  "blank password",  "blank username"  ]  } | pass |
| 3 | Users attempt to authenticate with wrong password | Postman:  Users enter the wrong password | URL: <http://localhost:8084/app/json/authenticate>  Username: admin  Password: 123 | {  "status": "error",  "message": [  "invalid username/password"  ]  } | Show Error message | {  "status": "error",  "message": [  "invalid username/password"  ]  } | pass |
| 4 | Users attempt to authenticate with non-existing userId | Postman:  Users enter the non-existing userid | URL: <http://localhost:8084/app/json/authenticate>  Username: ad  Password: 1234 | {  "status": "error",  "message": [  "invalid username/password"  ]  } | Show Error message | {  "status": "error",  "message": [  "invalid username/password"  ]  } | pass |
| 5 | Users attempt to authenticate with valid userId and correct password | Postman:  Users enter the valid userid and correct password | URL: <http://localhost:8084/app/json/authenticate>  Username: admin  Password: 1234 | {  "status": "success",  "token": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhZG1pbiIsImV4cCI6MTQ3NzcyNzUyNiwiaWF0IjoxNDc3NzIzOTI2fQ.x7Xob\_SL5Ogt75q7N15sM0AFDul4BZuI5TW2gRJbVbc"  } | Show success message | {  "status": "success",  "token": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhZG1pbiIsImV4cCI6MTQ3OTAyMzk5NiwiaWF0IjoxNDc5MDIwMzk2fQ.vjOkdmsUcPPMAvby0eFryE0wLsf5OI3IeLCEojOZ9ak"  } | pass |
| 6 | User attempts to authenthicate with missing password field | Pstoman:  User enters the userid but no password parameter | URL: <http://localhost:8084/app/json/authenticate>  Username: admin  Password: 1234 | {  "status": "error",  "message": [  "blank username",  "missing password"  ]  } | Show Error message | {  "status": "error",  "message": [  "missing password",  "blank username"  ]  } | pass |