API Endpoint Details:

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| Endpoint | .. /api/Register |
| Method | POST |
| Header |  |
| Request | {    "UserId": "sourav",    "UserName": "Sourav Paul",    "Email": "saurav.paul@hotmail.com",    "Password": "Asdf@1234",    "ConfirmPassword": "Asdf@1234"  } |
| Response Body | {      "Status": "OK",      "Message": "Successfully Registered.",      "Result": null  } |
| Error Body | {      "Status": "FAILED",      "Message": " sourav is already existed.",      "Result": null  } |
| Handled Errors | * Invalid User ID. User ID should be within 10 digits and contain only alphanumeric characters. * Invalid Password. Confirm password doesn't match with provided password. * Password must be at least 8 characters long. * Password must contain at least one uppercase letter. * Password must contain at least one lowercase letter. * Password must contain at least one digit. * Password must contain at least one special character (e.g., @, #, $, etc.). * Invalid Email. * Xyz is already existed. * Xyzmail.com is already existed. * XYZ is already existed. |

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| --- | --- |
| Endpoint | ../ api/Login |
| Method | POST |
| Header |  |
| Request | {    "UserId": "sourav",    "Password": "Asdf@1234"  } |
| Response Body | {      "Status": "OK",      "Message": "Login Successfull.",      "Result": {          "useID": "sourav",          "email": "saurav.paul@hotmail.com",          "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9....",          "refreshToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9....",          "accessTokenExpiry": "2025-04-20T02:26:26.1598726+03:00",          "refreshTokenExpiry": "2025-04-27T02:11:26.5606252+03:00"      }  } |
| Error Body | {      "Status": "FAILED",      "Message": "Wrong Password.",      "Result": null  } |
| Handled Errors | * Account has been Deactivated. Please contact with Admiistrator. * Account has been Deactivated, because of 3 times wrong password attempt. * Wrong Password. * Login Failed. |

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| Endpoint | ../ api/GenerateAccessTokenByRefreshToken |
| Method | GET |
| Header | Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.... |
| Request |  |
| Response Body | {      "Status": "OK",      "Message": "Generated Access Token",      "Result": {          "useID": "sourav",          "email": "saurav.paul@hotmail.com",          "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9....",          "refreshToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.... ",          "accessTokenExpiry": "2025-04-20T02:31:35.45289+03:00",          "refreshTokenExpiry": "2025-04-27T02:11:27"      }  } |
| Error Body | {      "Status": " UNAUTH",      "Message": "Token Deactivated.",      "Result": null  } |
| Handled Errors | * Valid Refresh Token Required. * Refresh Token Expired. * Token Deactivated. * Invalid Token. |

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| Endpoint | ../api/Logout |
| Method | GET |
| Header | Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...... |
| Request |  |
| Response Body | {      "Status": "OK",      "Message": "Logged Out Successfully.",      "Result": null  } |
| Error Body | {      "Status": " UNAUTH",      "Message": "Token Deactivated.",      "Result": null  } |
| Handled Errors | * Valid Token Required. * Refresh Token Expired. * Token Deactivated. * Invalid Token. * Logged Out Failed. |

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| Endpoint | .. /api/FetchUserInfo |
| Method | GET |
| Header | Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9... |
| Request |  |
| Response Body | {      "Status": "OK",      "Message": "Fetching User Info Successful.",      "Result": {          "name": "Samith Binda Pantho",          "email": "samith.pantho@hotmail.com"      }  } |
| Error Body | {      "Status": " UNAUTH",      "Message": "Token Deactivated.",      "Result": null  } |
| Handled Errors | * Valid Token Required. * Refresh Token Expired. * Token Deactivated. * Invalid Token. |

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| --- | --- |
| Endpoint | .. / api/FetchLeaderBoard |
| Method | GET |
| Header | Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9... |
| Request |  |
| Response Body | {      "Status": "OK",      "Message": "Leaderboard fetched successfully.",      "Result": {          "topUsers": [              {                  "position": "1",                  "player": "samith",                  "wins": 1              },              {                  "position": "2",                  "player": "sourav",                  "wins": 1              }          ],          "user": {              "position": "-",              "player": "samith3",              "wins": 0          }      }  } |
| Error Body | {      "Status": " UNAUTH",      "Message": "Token Deactivated.",      "Result": null  } |
| Handled Errors | * Valid Token Required. * Refresh Token Expired. * Token Deactivated. * Invalid Token. |

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| Endpoint | .. / api/FetchMatchHistory |
| Method | GET |
| Header | Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9... |
| Request |  |
| Response Body | {      "Status": "SUCCESS",      "Message": "Matches History fetched successfully.",      "Result": [          {              "matchId": "2a1e2e25-32cf-49cd-a681-6c7c592d0bd5",              "player1": "samith",              "player2": "sourav",              "startTime": "2025-04-06T23:23:58",              "endTime": "2025-04-06T23:27:40",              "player1Moves": 5,              "player2Moves": 6,              "winner": "sourav"          }      ]  } |
| Error Body | {      "Status": "UNAUTH",      "Message": "Token Deactivated.",      "Result": null  } |
| Handled Errors |  |

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| --- | --- |
| Endpoint | .. / api/InitializeMatchRequest |
| Method | GET |
| Header | Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.... |
| Request | ?playerID=samith |
| Response Body | {      "Status": "OK",      "Message": "sourav has requested samith for a Match.",      "Result": null  } |
| Error Body | {      "Status": " UNAUTH",      "Message": "Token Deactivated.",      "Result": null  } |
| Handled Errors | * Valid Token Required. * Refresh Token Expired. * Token Deactivated. * Invalid Token. * Invalid Player ID. |

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| Endpoint | .. /api/ResponseMatchRequest |
| Method | POST |
| Header | Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.... |
| Request | {    "MatchId": "0f915ef7-8feb-4ba4-95de-976b41e67b6f",    "Player1": "sourav",    "Player2": "samith",    "MatchStatus": "ACCEPTED"  }  OR  {    "MatchId": "0f915ef7-8feb-4ba4-95de-976b41e67b6f",    "Player1": "sourav",    "Player2": "samith",    "MatchStatus": "DECLINED"  } |
| Response Body | {      "Status": "OK",      "Message": "samith has accepted sourav's Match Request.",      "Result": null  }  OR  {      "Status": "OK",      "Message": "samith has declined sourav's Match Request.",      "Result": null  } |
| Error Body | {      "Status": "FAILED",      "Message": "Match is already accepted",      "Result": null  } |
| Handled Errors | * Valid Token Required. * Refresh Token Expired. * Token Deactivated. * Invalid Token. * Invalid match Information. * Match is already accepted. * Match is already declined. * Match is already finished. * Invalid Match Status. * Invalid Player 2. |

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| Endpoint | .. /api/UpdateMatchResult |
| Method | POST |
| Header | Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.... |
| Request | {    "MatchId": "0f915ef7-8feb-4ba4-95de-976b41e67b6f",    "Player1Moves": 5,    "Player2Moves": 6,    "Winner": "samith"  } |
| Response Body | {      "Status": "OK",      "Message": "Match Info Updated.",      "Result": null  } |
| Error Body | {      "Status": " UNAUTH",      "Message": "Token Deactivated.",      "Result": null  } |
| Handled Errors | * Valid Token Required. * Refresh Token Expired. * Token Deactivated. * Invalid Token. * Invalid Match ID. * Match status is pending. * Match status is declined. * Match status is finished. |