**1. Register User**

|  |  |
| --- | --- |
| **Endpoint** | **POST** api/users/register |
| **Request Body** | {  "name": "name",  "role": [0,1],  "accountState": ["EXPIRED", "BANNED", "RESTRICTED", "ACTIVE","WAIT\_FOR\_ACTIVATION"]  "username": “username”  "email": "johndoe@example.com",  "password": "securepassword"  } |
| **Success Response** | {      "errorCode": 200,      "errorMessage": "User registered successfully",      "data": {          "name": "thai",          "role": 0,          "accountState": "ACTIVE",          "username": "phanThai",          "email": "phandinhthai012@gmail.com",          "password": "$2b$10$lq6gyN5DknMxSP1zQki2HOm7BXIyG2UJddW22/rvgTOsaxh7pE7QS",          "\_id": "67f028aaec535a3133fcf943",          "createdAt": "2025-04-04T18:44:58.768Z",          "updatedAt": "2025-04-04T18:44:58.768Z",          "\_\_v": 0      }  } |
| **Error Responses** | (thiếu 1 trong các thuộc tính name, role, accountState, username, email, password)  {      "errorCode": 400,      "errorMessage": "Name is required",      "data": **null**  } |
|  | (sai định dạng username và email)  {      "errorCode": 400,      "errorMessage": "User validation failed: username: Username must be at least 6 characters, email: Invalid email format!, ex:user@example.com",      "data": **null**  } |
|  | (Trùng email)  {      "errorCode": 400,      "errorMessage": "Email already exists!",      "data": **null**  } |

**2. Get All Users**

|  |  |
| --- | --- |
| **Endpoint** | **GET** api/users /getall |
| **Request Body** | {} |
| **Success Response** | {      "errorCode": 200,      "errorMessage": "Get all users successfully",      "data": [          {              "\_id": "67f028aaec535a3133fcf943",              "name": "thai",              "role": 0,              "accountState": "ACTIVE",              "username": "phanThai",              "email": "phandinhthai012@gmail.com",              "password": "$2b$10$lq6gyN5DknMxSP1zQki2HOm7BXIyG2UJddW22/rvgTOsaxh7pE7QS",              "createdAt": "2025-04-04T18:44:58.768Z",              "updatedAt": "2025-04-04T18:44:58.768Z",              "\_\_v": 0          }      ]  } |
| **Error Responses** | {      "errorCode": 404,      "errorMessage": "No users found",      "data": **null**  } |

**3. Search Users**

|  |  |
| --- | --- |
| **Endpoint** | **GET** api/users /search?name=&email=&role=&accountState= |
| **Body request** | {  "name": "thaiPhan",  "email": "phandinhthai012@gmail.com,  “role”: 1,  “accountState”: “ACTIVE”  } |
| **Success Response** | {      "errorCode": 200,      "errorMessage": "Search users successfully",      "data": [          {              "\_id": "67f02ca43e7cb3e56a63c9de",              "name": "thai",              "role": 0,              "accountState": "ACTIVE",              "username": "phanThai",              "email": "phandinhthai012@gmail.com",              "createdAt": "2025-04-04T19:01:56.363Z",              "updatedAt": "2025-04-04T19:01:56.363Z"          }      ]  } |
| **Error Responses** | //Không truyền filter nào  {      "errorCode": 400,      "errorMessage": "At least one filter is required",      "data": **null**  } |
| // Không tìm thấy người dùng nào khớp  {      "errorCode": 404,      "errorMessage": "No users found",      "data": **null**  } |
| {  "errorCode": 500,  "errorMessage": "Internal server error",  "data": null  } |

**4. Get User by ID**

|  |  |
| --- | --- |
| **Endpoint** | **GET** api/users /user/:id |
| **Request Body** |  |
| **Success Response** | {      "errorCode": 200,      "errorMessage": "Get user successfully",      "data": {          "\_id": "67f02ca43e7cb3e56a63c9de",          "name": "thai",          "role": 0,          "accountState": "ACTIVE",          "username": "phanThai",          "email": "phandinhthai012@gmail.com",          "password": "$2b$10$sP5bPr2ZYQHWhc21ldxnH.ZPiRUm0MH5b2LrSnBNE0ysID3NxrL.2",          "createdAt": "2025-04-04T19:01:56.363Z",          "updatedAt": "2025-04-04T19:01:56.363Z",          "\_\_v": 0      }  } |
| **Error Responses** | Id sai định đạng  {      "errorCode": 400,      "errorMessage": "ID is not in valid format!",      "data": **null**  } |
| //thiếu id  {  "errorCode": 400,  "errorMessage": "User id is required",  "data": null  } |
| // không tìm thấy user  {      "errorCode": 404,      "errorMessage": "User not found",      "data": **null**  } |
|  |  |

**5. Get User by Email**

|  |  |
| --- | --- |
| **Endpoint** | **GET** api/users/email/:email |
| **Request Body** |  |
| **Success Response** | {  "errorCode": 200,  "errorMessage": "User found",  "data": {       "\_id": "67ec3d65bdac64dbbd2879c5",       "name": "Phan Thai",       "role": 1,       "accountState": "ACTIVE",       "username": "thaiphan",       "email": "phandinhthai012@gmail.com",       "password": "$2b$10$RwE.v3.YCgxFPcoUWPcXp.fHxlDxg19FTkYioD9Ywt0HH0nmvkTqm",       "createdAt": "2025-04-01T19:24:21.085Z",      "updatedAt": "2025-04-01T19:24:21.085Z",       "\_\_v": 0  }  } |
| **Error Responses** | //thiếu email  {  "errorCode": 400,  "errorMessage": "Email is required”,  "data": null  } |
| {      "errorCode": 400,      "errorMessage": "Email is invalid",      "data": **null**  } |
| // lỗi hệ thống  {  "errorCode": 500,  "errorMessage": "Internal server error",  "data": null  } |

**6. Update User**

|  |  |
| --- | --- |
| **Endpoint** | **PUT** api/users /user/:id |
| **Request Body** | {    "name": "thai",    "username": "phandinhthai",    "email": "phandinhthai012123@gmail.com",    "role": 0,    "accountState": "ACTIVE",    "description": "Yêu thích công nghệ",    "title": "Fullstack Developer",    "coverPicture": "https://didongviet.vn/dchannel/wp-content/uploads/2023/08/galaxy-huyen-bi-hinh-nen-iphone-12-pro-max-didongviet-2-576x1024.jpg",    "profilePicture": "https://didongviet.vn/dchannel/wp-content/uploads/2023/08/galaxy-huyen-bi-hinh-nen-iphone-12-pro-max-didongviet-2-576x1024.jpg",    "bio": "Chào mọi người! Mình là Thái."  } |
| **Success Response** | {  "errorCode": 200,  "errorMessage": "User updated successfully",  "data": {  "\_id": "67f02ca43e7cb3e56a63c9de",  "name": "thai",  "role": 0,  "accountState": "ACTIVE",  "username": "phandinhthai",  "email": "phandinhthai012123@gmail.com",  "password": "$2b$10$sP5bPr2ZYQHWhc21ldxnH.ZPiRUm0MH5b2LrSnBNE0ysID3NxrL.2",  "createdAt": "2025-04-04T19:01:56.363Z",  "updatedAt": "2025-04-04T19:29:48.992Z",  "\_\_v": 0,  "bio": "Chào mọi người! Mình là Thái.",  "coverPicture": "https://didongviet.vn/dchannel/wp-content/uploads/2023/08/galaxy-huyen-bi-hinh-nen-iphone-12-pro-max-didongviet-2-576x1024.jpg",  "description": "Yêu thích công nghệ",  "profilePicture": "https://didongviet.vn/dchannel/wp-content/uploads/2023/08/galaxy-huyen-bi-hinh-nen-iphone-12-pro-max-didongviet-2-576x1024.jpg",  "title": "Fullstack Developer"  }  }{  "errorCode": 200,  "errorMessage": "User found",  "data": {       "\_id": "67ec3d65bdac64dbbd2879c5",       "name": "Phan Thai",       "role": 1,       "accountState": "ACTIVE",       "username": "thaiphan",       "email": "phandinhthai012@gmail.com",       "password": "$2b$10$RwE.v3.YCgxFPcoUWPcXp.fHxlDxg19FTkYioD9Ywt0HH0nmvkTqm",       "createdAt": "2025-04-01T19:24:21.085Z",      "updatedAt": "2025-04-01T19:24:21.085Z",       "\_\_v": 0  }  } |
| **Error Responses** | {      "errorCode": 400,      "errorMessage": "ID is not in valid format!",      "data": **null**  } |
| {      "errorCode": 400,      "errorMessage": "User not found!",      "data": **null**  } |
|  | {      "errorCode": 400,      "errorMessage": "Invalid email format!",      "data": **null**  } |

**7. Delete User**

|  |  |
| --- | --- |
| **Endpoint** | **DELETE** api/users /user/:id |
| **Request Body** | {    } |
| **Success Response** | {      "errorCode": 200,      "errorMessage": "User deleted successfully",      "data": {          "\_id": "67f02ca43e7cb3e56a63c9de",          "name": "thai",          "role": 0,          "accountState": "ACTIVE",          "username": "phandinhthai",          "email": "phandinhthai012@gmail.com",          "password": "$2b$10$sP5bPr2ZYQHWhc21ldxnH.ZPiRUm0MH5b2LrSnBNE0ysID3NxrL.2",          "createdAt": "2025-04-04T19:01:56.363Z",          "updatedAt": "2025-04-04T19:47:52.588Z",          "\_\_v": 0,          "bio": "Chào mọi người! Mình là Thai.",          "coverPicture": "https://didongviet.vn/dchannel/wp-content/uploads/2023/08/galaxy-huyen-bi-hinh-nen-iphone-12-pro-max-didongviet-2-576x1024.jpg",          "description": "Yêu thích công nghệ",          "profilePicture": "https://didongviet.vn/dchannel/wp-content/uploads/2023/08/galaxy-huyen-bi-hinh-nen-iphone-12-pro-max-didongviet-2-576x1024.jpg",          "title": "Fullstack Developer"      }  } |
| **Error Responses** | // không tìm thấy user  {      "errorCode": 400,      "errorMessage": "User not found!",      "data": **null**  } |
| {      "errorCode": 400,      "errorMessage": "ID is not in valid format!",      "data": **null**  } |

**8. Update Password**

|  |  |
| --- | --- |
| **Endpoint** | **PUT** api/users/ updatepassword/:id |
| **Request Body** | {      "newPassword":"1234567",      "oldPassword":"12345678910"  } |
| **Success Response** | {      "errorCode": 200,      "errorMessage": "Password updated successfully",      "data": {          "\_id": "67f03792ddcb35b4ef514247",          "name": "thai",          "role": 0,          "accountState": "ACTIVE",          "username": "phandinhthai",          "email": "phandinhthai012@gmail.com",          "password": "$2b$10$kJt3ZicZjmJBW/r6oOX/W.sL1DHdKjDiqlFlVLCheolxJcmXqmOim",          "createdAt": "2025-04-04T19:48:34.951Z",          "updatedAt": "2025-04-04T19:53:32.582Z",          "\_\_v": 0,          "bio": "Chào mọi người! Mình là Thai.",          "coverPicture": "https://didongviet.vn/dchannel/wp-content/uploads/2023/08/galaxy-huyen-bi-hinh-nen-iphone-12-pro-max-didongviet-2-576x1024.jpg",          "description": "Yêu thích công nghệ",          "profilePicture": "https://didongviet.vn/dchannel/wp-content/uploads/2023/08/galaxy-huyen-bi-hinh-nen-iphone-12-pro-max-didongviet-2-576x1024.jpg",          "title": "Fullstack Developer"      }  } |
| **Error Responses** | {      "errorCode": 400,      "errorMessage": "New password is required",      "data": **null**  } |
| {      "errorCode": 400,      "errorMessage": "Old password is incorrect",      "data": **null**  } |
| {      "errorCode": 400,      "errorMessage": "New password must be at least 6 characters",      "data": **null**  } |
|  | {      "errorCode": 400,      "errorMessage": "User not found!",      "data": **null**  } |