

| Endpoint             | Method | Description   | Request Body  | Headers  | Responses  |
|----------------------|--------|---|---|--|--|
| /register            | POST   | Register a new user by providing a <code>username</code> and <code>password</code> . The password is hashed before storing. | <code>username</code> (string): The user's chosen username.<br><code>password</code> (string): The user's password.   |  | 201 Created: { "message": "User registered successfully" }<br>500 Internal Server Error: { "error": "Hashing error" }  |
| /login               | POST   | Log in a user by verifying their <code>username</code> and <code>password</code> . Returns a JWT token if successful.       | <code>username</code> (string): The user's username.<br><code>password</code> (string): The user's password.  |  | 200 OK: { "token": "<JWT_TOKEN>" }<br>400 Bad Request: { "error": "Invalid username or password" }   |
| /profile             | GET    | Get the profile information of the logged-in user. Requires a valid JWT token.  |   | Authorization (string): Bearer token containing the JWT. | 200 OK: { "message": "Welcome to your profile!", "user": { "id": 1, "username": "example" } }<br>401 Unauthorized: { "error": "Token required" }<br>403 Forbidden: { "error": "Invalid or expired token" }   |
| /userMoods           | GET    | Get the mood entries for the logged-in user. Requires a valid JWT token.  |   | Authorization (string): Bearer token containing the JWT. | 200 OK: { "moods": [{ "id": 1, "mood": "Happy", "keywords": "joy", "notes": "Feeling great!", "visible_to_gps": true } ] }<br>401 Unauthorized: { "error": "Token required" }<br>403 Forbidden: { "error": "Invalid or expired token" }            |
| /saveMood            | POST   | Save a new mood entry for the logged-in user. Requires a valid JWT token.   | <code>mood</code> (string): The mood description (e.g., "Happy", "Sad").<br><code>keywords</code> (string): Comma-separated keywords associated with the mood.<br><code>notes</code> (string): Additional notes for the mood entry. | Authorization (string): Bearer token containing the JWT. | 201 Created: { "message": "Mood saved successfully" }<br>401 Unauthorized: { "error": "Token required" }<br>403 Forbidden: { "error": "Invalid token" }  |
| /recommendedArticles | GET    | Get a list of articles that match the provided keywords.  |   |  | 200 OK: { "recommendedArticles": [{ "title": "Article 1", "content": "This is the article content..." } ] }<br>400 Bad Request: { "error": "No keywords provided" }<br>500 Internal Server Error: { "error": "Failed to read articles directory" } |