

1. **Get Banner Image (Admin)**

Get homepage image (// for admins)

Request method: GET

Request URL: '\${API_BASE_URL}/mainImage/banner'

Request parameter: language parameter (e.g. ?lang=zh)

Example of backend response:

```
{
  "code": 0,
  "data": [
    { "imageUrl": "http://.../zh.jpg", "id": 1 },
    { "imageUrl": "http://.../zh2.jpg", "id": 2 },
    ...
  ],
  "message": "Success"
}
```

For front-end display, a lang field is added for each image object when it returns.

2. **Add Image URL to Banner (Admin)**

Add a homepage image (for admins)

Request method: POST

Request URL: '\${API_BASE_URL}/admin/addMainImages'

Request parameters: { imageUrlZh, imageUrlEn }

Example of backend response:

```
{
  "code": 0,
  "data": {},
  "message": "Added successfully"
}
```

3. **Delete Image from Banner (Admin)**

Delete the homepage image (for admins, delete according to the image ID)

Request: DELETE

Request URL: '\${API_BASE_URL}/admin/deleteMainImage'

Request parameter: { imageId } (passed via request body)

Example of backend response:

```
{
  "code": 0,
  "image_id": {},
  "message": "Deleted successfully"
}
```

4. **Add Image File to Banner (Admin)**

Upload images (for admins to add images via file upload)

Request method: POST

URL: \${API_BASE_URL}/admin/uploadImages

Request parameters: FormData format, containing two files:

- 'image_zh': Chinese picture
- 'image_en': English image

5. **Fetch Log (Admin)**

Get server access logs and error logs (viewed by administrators)

Request method: POST

URL: \${API_BASE_URL}/admin/log

Request parameters: None

Example of backend response:

```
{
  "status": "success",
  "Alogs": "2025-05-13 08:00:00 GET /index.html 200\n...",
  "Elogs": "2025-05-13 08:00:05 ERROR Traceback...\n..."
}
```

@returns {Promise<{ access: string[], error: string[] } | null>}

Returns an object containing access logs and error logs (each item is an array of strings split by row) on success and null on failure

6. **Fetch Log Analyze (Admin)**

Analyze the fields in the log file <url> and count the number of visits to each URL.

Return value:

- A JSON object where the key is the URL and the value is the number of visits to that URL.
- Data type: Dict[str, int]
- Example return value:

```
{
  "http://example.com/page1": 5,
  "http://example.com/page2": 3
}
```

7. **Get All Users (Admin)**

Get all user information

Request method: GET

Request URL: '\${API_BASE_URL}/users'

Request parameter: An optional language parameter, e.g. ?lang=zh

Example of backend response:

```
{
  "code": 0,
  "data": [
    { "id": 1, "username": "user1", "role": "user", ... },
    { "id": 2, "username": "admin", "role": "admin", ... }
  ],
  "message": "query successful"
}
```

8. **Update User Information (Admin)**

Update user information

Request method: PUT

Request URL: '\${API_BASE_URL}/users/' // id is no longer concatenated in the URL, but is implicitly passed through the request body

Request parameter: language parameter (e.g. ?lang=zh)

Request body format (example):

```
{
  "id": 1, // passed implicitly
  "username": "newUsername",
  "role": "user"
  // Other fields that need to be updated
}
```

Example of backend response:

```
{
  "code": 0,
  "data": { "id": 1, "username": "newUsername", "role": "user", ... },
  "message": "Update successful"
}
```

9. Delete User (Admin)

Delete user information

Request: DELETE

Request URL: '\${API_BASE_URL}/users/' // id is no longer concatenated in the URL

Request parameter: language parameter (e.g. ?lang=zh)

Request body format (example):

```
{
  "id": 1
}
```

Example of backend response:

```
{
  "code": 0,
  "data": null,
  "message": "Deleted successfully"
}
```

10. Create a New User (Admin)

Create a new user (Admin Edition)

Request method: POST

Request URL: '\${API_BASE_URL}/admin/createUser'

Request Parameters: Language parameters (e.g. ? lang=zh)

Request body format (example):

```
{
  "Username": "New User",
  "role": "user", // "admin" or "client"
  "height": 170,
  "weight": 60,
}
```

```
"Age": 25,  
"password": "newPassword"  
}
```

Example of backend response:

```
{  
  "code": 0,  
  "data": { "id": 123, "username": "newUser", "role": "user", ... },  
  "message": "Created successfully"  
}
```

11. Change User's Avatar (Admin)

Modify user avatar (Admin interface)

Request method: POST

Request URL: `\${API_BASE_URL}/admin/changeUserAvatar/\${userId}`

Request Parameters:

- lang (optional, query parameter)

Request Body (FormData):

- avatar: File

12. Get User's Avatar (Admin)

Get the avatar of the currently logged-in user

Request method: GET

Request URL: `\${API_BASE_URL}/user/getAvatar`

Request header: Authorization: <token>Bearer

Return: { avatar: string }

13. Get Health Suggestion (Ai)

Request Method: POST

Request URL: `\${API_BASE_URL}/health-suggestion`

Request Parameters: Language parameters (e.g. ?lang=zh)

Request body format (example):

```
{  
  "month": <Number>,           // Current month (1-12)  
  "username": <String>,        // Username (unique identifier)  
  "age": <Number>,             // User's age  
  "weight": <Number>,          // User's weight in kg  
  "height": <Number>,          // User's height in cm  
  "lang": <String>              // Language ('en' for English, 'zh' for Chinese)  
}
```

Example Backend Response

Success Response (English):

```
{
  "suggestion": "Based on your profile and the current month, I recommend drinking warm herbal teas and avoiding cold beverages. Make sure to eat more seasonal fruits and vegetables."
}
```

Success Response (Chinese):

```
{
  "suggestion": "根据您的情况和当前月份，建议多喝温热的养生茶，避免冷饮，并多吃应季的水果和蔬菜。"
}
```

14. Send User Message To AI (Ai)

Request Method: POST

Request URL: \${API_BASE_URL}/api/chat/BianQue

Request Parameters: {

"lang": "zh", // or "en", depending on the language preference

"question": "User's question here"

}

Example Backend Response: {

"message": "AI response to the user's question in the requested language"

}

15. Register (Auth)

*/***

** Register a new user*

** Request method: POST*

** Request URL: '\${API_BASE_URL}/register'*

** Content type: application/json*

** Request body:*

** {*

** "username": <string>, // The username of the user*

** "password": <string> // The password of the user*

** }*

** Example of backend response:*

** {*

** "msg": "Registration is successful" // Success message*

** }*

** Error responses:*

** {*

** "msg": "The username and password cannot be empty" // Missing fields*

** }*

```

* {
*   "msg": "The username already exists" // Duplicate username
* }
*/

```

16. Login (Auth)

```

/**
 * Login a user
 * Request method: POST
 * Request URL: '${API_BASE_URL}/login'
 * Content type: application/json
 * Request body:
 * {
 *   "username": <string>, // The username of the user
 *   "password": <string> // The password of the user
 * }
 * Example of backend response:
 * {
 *   "access_token": <string> // JWT token for the authenticated session
 * }
 * Error responses:
 * {
 *   "msg": "The username and password cannot be empty" // Missing fields
 * }
 * {
 *   "msg": "Wrong username or password" // Invalid credentials
 * }
 */

```

17. Get Profile (Auth)

```

/**
 * Get the profile information of the logged-in user
 * Request method: GET
 * Request URL: '${API_BASE_URL}/profile'
 * Request header: Authorization: <token>Bearer
 * Example of backend response:
 * {
 *   "msg": "Welcome <username>, This is your personal information" // Personalized welcome message
 * }
 * Error responses:
 * {
 *   "msg": "Missing Authorization Header" // Missing or invalid token
 * }
 */

```

18. Get User Information (Auth)

```
/**
 * Get complete information about the logged-in user, including height, weight, age, etc.
 * Request method: GET
 * Request URL: '${API_BASE_URL}/user/info'
 * Request header: Authorization: <token>Bearer
 * Example of backend response:
 * {
 *   "code": 0,
 *   "data": {
 *     "id": <int>,           // User ID
 *     "username": <string>, // Username
 *     "height": <float>,    // Height in cm
 *     "weight": <float>,    // Weight in kg
 *     "age": <int>,         // Age in years
 *     "role": <string>      // Role of the user (e.g., admin, user)
 *   },
 *   "message": "Success"
 * }
 * Error responses:
 * {
 *   "msg": "Missing Authorization Header" // Missing or invalid token
 * }
 */
```

19. Update User Information (Auth)

```
/**
 * Update user information (height, weight, age)
 * Request method: PUT
 * Request URL: '${API_BASE_URL}/user/info'
 * Content type: application/json
 * Request header: Authorization: <token>Bearer
 * Request body:
 * {
 *   "height": <float>, // Height in cm
 *   "weight": <float>, // Weight in kg
 *   "age": <int>       // Age in years
 * }
 * Example of backend response:
 * {
 *   "code": 0,
 *   "data": {
 *     "id": <int>,           // User ID
 *     "username": <string>, // Username
 *     "height": <float>,    // Updated height
 *     "weight": <float>,    // Updated weight
 *   },
 *   "message": "Success"
 * }
 */
```

```

*      "age": <int>           // Updated age
*    },
*    "message": "Profile updated successfully!"
*  }
* Error responses:
* {
*   "msg": "Missing Authorization Header" // Missing or invalid token
* }
*/

```

20. Upload Avatar (Admin)

Upload a user avatar

Request method: POST

Request URL: '{API_BASE_URL}/user/avatar'

Request header: Authorization: <token>Bearer

Content type: multipart/form-data

Request body: FormData, field name avatar

Example of backend response:

```

{
  "message": "File uploaded successfully"
}

```

21. Fetch Herb Area (Map)

*/***

** Fetch the geographic production areas of a specific herb*

** Request method: GET*

** Request URL: '{API_BASE_URL}/api/areas/herb/<herbld>?lang=<lang>'*

** Request parameters:*

** - herbld: <int> (Required) The unique ID of the herb*

** - lang: <string> (Optional) Language preference ('zh' for Chinese, 'en' for English); defaults to 'zh'*

** Example URL:*

** - '{API_BASE_URL}/api/areas/herb/1?lang=zh'*

** Example of backend response:*

```

* {
*   "areas": [
*     {
*       "type": "Polygon",
*       "coordinates": [
*         [lat1, lon1],
*         [lat2, lon2],
*         ...
*       ]
*     },
*     {
*       "type": "MultiPolygon",
*       "coordinates": [

```



```

*      [
*          [lat1, lon1],
*          [lat2, lon2],
*          ...
*      ],
*      ...
*  ]
*  }
*  ]
*  }
*
* Error responses:
* - HTTP status code 500: Server error, e.g., "几何类型不支持" (Unsupported geometry type)
*/

```

22. Get Fuzzy Prescription (tcm)

```

/**
* Fuzzy matching of prescriptions based on the herbs selected by the user
* Request method: POST
* Request URL: '${API_BASE_URL}/tcm/getFuzzyPrescription'
* Content type: application/json
* Request body:
* {
*     "herbs": [<int>, <int>, ...], // Array of herb IDs selected by the user
*     "lang": <string>              // Language ('zh' for Chinese, 'en' for English); defaults to 'zh'
* }
* Example of backend response:
* {
*     "precisionResult": [
*         { "id": <int>, "name": <string> }, // Exact match prescriptions
*         ...
*     ],
*     "guessResult": [
*         { "id": <int>, "name": <string> }, // Fuzzy match prescriptions
*         ...
*     ]
* }
* Error responses:
* {
*     "error": "<string>" // Error message if the request fails
* }
*/

```

23. Check Herb Selection (tcm)

```

/**
* Check whether the herbs selected by the user meet the requirements of the specified prescription
* Request method: POST
* Request URL: '${API_BASE_URL}/tcm/checkHerbSelection'

```

```

* Content type: application/json
* Request body:
* {
*   "prescriptionId": <string>,    // ID of the prescription to check
*   "selectedHerbs": [<int>, ...], // Array of herb IDs selected by the user
*   "lang": <string>                // Language ('zh' for Chinese, 'en' for English); defaults to 'zh'
* }
* Example of backend response:
* {
*   "result": "success" | "failure", // Indicates whether the selection is correct
*   "message": "<string>",           // Success or failure message
*   "lack": [<int>, ...],            // IDs of missing herbs (if any)
*   "extra": [<int>, ...]            // IDs of extra herbs (if any)
* }
* Error responses:
* {
*   "error": "<string>" // Error message if the request fails
* }
*/

```

24. **Get Herb Ids (tcm)**

```

/**
* Get an array of random herb IDs
* Request method: GET
* Request URL: '${API_BASE_URL}/tcm/herb-ids'
* Request parameters:
* {
*   "lang": <string> // Language ('zh' for Chinese, 'en' for English); defaults to 'zh'
* }
* Example of backend response:
* {
*   "ids": [<int>, <int>, ...] // Array of random herb IDs
* }
* Error responses:
* {
*   "error": "<string>" // Error message if the request fails
* }
*/

```

25. **Get Herb Detail (tcm)**

```

/**
* Get herb details based on its ID
* Request method: GET
* Request URL: '${API_BASE_URL}/tcm/herb-detail/<id>'
* Request parameters:
* {
*   "lang": <string> // Language ('zh' for Chinese, 'en' for English); defaults to 'zh'
* }

```

* Example of backend response:

```
* {  
*   "imageUrl": "<string>", // URL of the herb image  
*   "name": "<string>",    // Name of the herb  
*   "options": [  
*       "<string>",  
*       "<string>",  
*       ...  
*   ]  
* }
```

* Error responses:

```
* {  
*   "error": "<string>" // Error message if the request fails  
* }  
*/
```

26. Submit Quiz Score (tcm)

```
/**  
* Submit quiz test results  
* Request method: POST  
* Request URL: '${API_BASE_URL}/tcm/quiz-result'  
* Content type: application/json  
* Request body:  
* {  
*   "accuracy": <number>, // Quiz accuracy percentage  
*   "username": <string>, // Username of the current user  
*   "lang": <string>      // Language ('zh' for Chinese, 'en' for English); defaults to 'zh'  
* }  
* Example of backend response:  
* {  
*   "message": "Input succeed" // Success message  
* }  
* Error responses:  
* {  
*   "error": "<string>" // Error message if the request fails  
* }  
*/
```

27. Get All Herb Categories (tcm)

Description: Get all herb categories (药材分类) in the specified language.

- Request Method: GET
- URL: `${API_BASE_URL}/herbs/categories`
- Query Parameters:
 - o `lang` (string, optional, default 'zh') - language, either 'zh' or 'en'

Example Call:

`getHerbCategories();` // → ["根茎类", "叶类", "花类"]

Response Example:

["根茎类", "叶类", "花类"]

28. Get the First Twenty Herbs (tcm)

Description: Get the first 20 herbs (commonly used) in the specified language.

- Request Method: POST
- URL: `${API_BASE_URL}/herbs/usefulHerbs`
- Query Parameters:
 - `lang` (string, optional, default 'zh')

Example Call:

`getUsefulHerbs();`

Response Example:

```
[  
  { "id": 1, "name": "当归", "image": "http://.../danggui.jpg" },  
  { "id": 2, "name": "人参", "image": "http://.../renshen.jpg" }  
  //...  
]
```

29. Get All Herbal Flavor Classifications (tcm)

Description: Get all herb classifications (药材性味分类) in the specified language.

- Request Method: GET
- URL: `${API_BASE_URL}/herbs/classifications`
- Query Parameters:
 - `lang` (string, optional, default 'zh')

Example Call:

`getHerbClassifications();`

Response Example:

["温性", "寒性", "甘味", "苦味"]

30. Get Herbs By Category (tcm)

Description: Get all herbs under a certain category, in the specified language.

- Request Method: GET
- URL: `${API_BASE_URL}/herbs/${category}`
 - Replace `${category}` with the real category string, e.g. "根茎类"
- Query Parameters:
 - `lang` (string, optional, default 'zh')

Example Call:

`getHerbsByCategory('根茎类');`

Response Example:

```
[
  { "id": 9, "name": "黄芪", "image": "http://.../huangqi.jpg" }
  //...
]
```

31. Get Herbs By Classification (tcm)

Description: Get all herbs under a certain flavor/classification, in the specified language.

- Request Method: GET
- URL: `${API_BASE_URL}/herbs/classification/${classification}`
 - Replace `${classification}` with actual classification string, e.g. "温性"
- Query Parameters:
 - lang (string, optional, default 'zh')

Example Call:

`getHerbsByClassification('温性');`

Response Example:

```
[
  { "id": 11, "name": "附子", "image": "http://.../fuzi.jpg" }
  //...
]
```

32. Get Details of Individual Herbs (tcm)

Description: Get full details for a single herb by its ID, in the specified language.

Request Method: GET

URL: `${API_BASE_URL}/herbs/${id}`

Replace `${id}` with the herb ID

Query Parameters:

lang (string, optional, default 'zh')

Example Call:

`getHerbDetail(1);`

Response Example:

```
{
  "id": 1,
  "name": "当归",
  "cnName": "当归",
```

```

"category": "根茎类",
"origin": "中国",
"production_regions": "甘肃, 四川",
"properties": "甘温",
"functions": "补血调经",
"image": "http://.../danggui.jpg",
"relate_prescription": ["归脾汤", "八珍汤"],
"relate_prescription_id": [12, 34],
"classification": "温性"
}

```

33. Search for Herbs by Name (tcm)

Description: Search for herbs by name (supports substring/fuzzy matching, works for Chinese & English).

- Request Method: GET
- URL: \${API_BASE_URL}/herbs/search
- Query Parameters:
 - name (string, required): Search keyword
 - lang (string, optional, default 'zh')

Example Call:

`searchHerbsByName('人参');`

Response Example:

```

[
  { "id": 2, "name": "人参", "image": "http://.../renshen.jpg" }
  //...
]

```

34. Get Herb Detail (tcm)

Description: Get all details of a herb for admin use, including both Chinese and English.

- Request Method: GET
- URL: \${API_BASE_URL}/admin/getHerbDetails/\${id}
- Query Parameters:
 - lang (string, optional, default 'zh')

Example Call:

`getHerbDetailAdmin(1)`

Response Example:

```

{
  "id": 1,
  "name_en": "Angelica sinensis",
  "name_zh": "当归",
  "category_en": "Root",
  "origin_en": "China",

```

```

    "production_regions_en": "Gansu, Sichuan",
    "properties_en": "Sweet, Warm",
    "functions_en": "Blood tonic, regulate menstruation",
    "image_en": "http://.../danggui_en.jpg",
    "classification_en": "Warm",
    "category_zh": "根茎类",
    "origin_zh": "中国",
    "production_regions_zh": "甘肃, 四川",
    "properties_zh": "甘温",
    "functions_zh": "补血调经",
    "image_zh": "http://.../danggui.jpg",
    "classification_zh": "温性"
  }
}

```

35. **Get All Prescriptions (tcm)**

Description: Retrieve a list of all prescriptions (ID, name only) in the specified language.

- Request Method: GET
- URL: \${API_BASE_URL}/prescriptions
- Query Parameters:
 - lang (string, optional, default: 'zh') - 'zh'/Chinese or 'en'/English

Frontend Call Example:

`getPrescriptions('zh'); // or 'en'`

Sample Response:

```

[
  { "id": 1, "name": "四君子汤" },
  { "id": 2, "name": "六味地黄丸" }
]

```

36. **Get Individual Prescription Details (tcm)**

Description: Get full details of a single prescription by ID, in the specified language.

- Request Method: GET
- URL: \${API_BASE_URL}/prescriptions/\${id}
 - Replace \${id} with the prescription's ID.
- Query Parameters:
 - lang (string, optional, default: 'zh')

Frontend Call Example:

`getPrescriptionDetail(2, 'zh');`

Sample Response:

```

{
  "id": 2,

```

```

    "name": "六味地黄丸",
    "cnName": "六味地黄丸",
    "constitute": "熟地黄; 山药; 山茱萸; 泽泻; 牡丹皮; 茯苓",
    "action": "补肾滋阴",
    "indication": "肾阴虚证",
    "constituteld": [5, 6, 7, 8, 9, 10]
  }

```

37. Admin Get Prescription Details (tcm)

Description: As an admin, get all information for a prescription in both English and Chinese.

- Request Method: GET
- URL: `${API_BASE_URL}/admin/getPrescriptionDetails/${id}`
- Query Parameters:
 - lang (string, optional, default: 'zh')

Frontend Call Example:

`getPrescriptionDetailAdmin(2, 'zh')`

Sample Response:

```

{
  "id": 2,
  "name_en": "Liuwei Dihuang Pill",
  "name_zh": "六味地黄丸",
  "constitute_en": "Rehmannia; Dioscorea; Cornus; Alisma; Moutan; Poria",
  "action_en": "Tonify kidney Yin",
  "indication_en": "Kidney Yin deficiency",
  "constitute_zh": "熟地黄; 山药; 山茱萸; 泽泻; 牡丹皮; 茯苓",
  "action_zh": "补肾滋阴",
  "indication_zh": "肾阴虚证"
}

```

38. Search Prescriptions by Name (tcm)

Description: Search for prescriptions with a name match (supports fuzzy/substring search, works for both Chinese and English).

- Request Method: GET
- URL: `${API_BASE_URL}/prescriptions/search`
- Query Parameters:
 - name (string, required): The search keyword
 - lang (string, optional): 'zh' or 'en'

Frontend Call Example:

`searchPrescriptionsByName('君子', 'zh')`

Sample Response:


```
[  
  { "id": 1, "name": "四君子汤" }  
]
```

Error Example (No Input):

```
{ "error": "No name provided" }
```

39. **Admin: Add a Prescription (tcm)**

Description: Add a new prescription (admin operation). Supports both English and Chinese prescription data.

- *Request Method: POST*
- *URL: \${API_BASE_URL}/admin/addPrescription*
- *Query Parameters:*
 - *lang (string, optional): 'zh' or 'en'*
- *Body (JSON):*
 - *All*
of: name_en, name_zh, constitute_en, constitute_zh, action_en, action_zh, indication_en, indication_zh
 - *action: 1 (for adding, see update below)*

Frontend Call Example:

```
addPrescription({  
  name_en: "Liuwei Dihuang Pill",  
  name_zh: "六味地黄丸",  
  constitute_en: "Rehmannia; Dioscorea; Cornus; Alisma; Moutan; Poria",  
  constitute_zh: "熟地黄; 山药; 山茱萸; 泽泻; 牡丹皮; 茯苓",  
  action_en: "...",  
  action_zh: "...",  
  indication_en: "...",  
  indication_zh: "...",  
  action: 1 // "add"  
});
```

Sample Response:

```
{ "message": "Success!" }
```

40. **Admin: Update a Prescription (tcm)**

Description: Update an existing prescription (admin operation).

- *Request Method: POST*
- *URL: \${API_BASE_URL}/admin/addPrescription*
- *Query Parameters:*
 - *lang (string, optional)*
- *Body (JSON):*
 - *All fields as above, must include id*

- *action: 0 (for update)*

Frontend Call Example:

```
updatePrescription({
  id: 2,
  name_en: "...",
  name_zh: "...",
  ...,
  action: 0 // "update"
});
```

Sample Response:

```
{ "message": "Success!" }
```

41. Admin: Delete a Prescription (tcm)

Description: Delete a prescription (admin operation), removes both English and Chinese versions and cleans up associations.

- *Request Method: DELETE*
- *URL: \${API_BASE_URL}/admin/deletePrescription*
- *Body (JSON):*
 - *id (number): Required, prescription id to delete*
 - *lang (string, optional)*

Frontend Call Example:

```
deletePrescription(2, 'zh')
```

Sample Response:

```
{ "message": "Prescription group and related herb links deleted successfully!" }
```

42. Get a Prescription Quiz Question (tcm)

Description: Fetch a prescription question for the quiz, based on language and difficulty, avoiding IDs already presented.

- *Request Method: GET*
- *URL: \${API_BASE_URL}/tcm/prescriptionQuiz/question*
- *Query Parameters:*
 - *lang (string, required): Language, e.g. zh or en*
 - *difficulty (number/string, required): Difficulty level, 1 (easy), 2 (medium), 3 (hard)*
 - *doneQuestionIds (string, optional): Comma-separated list of completed question IDs, e.g. '5,17,29'*

Frontend Call Example:

```
getPrescriptionQuestion('zh', 2, [5, 17, 29]);
```

Sample Response:

```
{
  "id": 12,
  "prescriptionName": "六味地黄丸",
  "correctHerblids": ["熟地黄", "山药", "山茱萸", "泽泻", "牡丹皮", "茯苓"],
  "difficulty": "2"
}
```

43. **Submit a Prescription Quiz Score (tcm)**

Description: Submit a score for a prescription quiz session.

- *Request Method: POST*
- *URL: \${API_BASE_URL}/tcm/score*
- *Request Body (JSON):*
 - *accuracy (number, required): The accuracy (%) from the quiz*
 - *username (string, required): The current username ("", or actual username)*
 - *totalTime (number, required): Total time spent (seconds)*
 - *lang (string, required): Language, e.g. zh or en*

Frontend Call Example:

```
submitPrescriptionQuizScore(83, 'johndoe', 95, 'en');
```

Sample Response:

```
{ "message": "Input succeed" }
```

Error Example (no user):

```
{ "message": "No available user" }
```

44. **Get an Array of Herb IDs (tcm)**

Description: Fetch 5 random herb IDs for quiz purposes.

- *Request Method: GET*
- *URL: \${API_BASE_URL}/tcm/herb-ids*
- *Query Parameters:*
 - *lang (string, optional, default: zh)*

Frontend Call Example:

```
getHerblids('zh');
```

Sample Response:

```
{ "ids": [1, 27, 5, 99, 140] }
```

45. **Get Herb Details for Quiz (tcm)**

Description: Fetch image and four names (one correct) for a given herb ID—used in "identify the herb" quiz.

- *Request Method: GET*
- *URL: \${API_BASE_URL}/tcm/herb-detail/\${id}*

- Replace `#{id}` with the desired herb ID.
- Query Parameters:
 - `lang` (string, optional, default: zh)

Frontend Call Example:

`getHerbDetail(27, 'zh');`

Sample Response:

```
{
  "imageUrl": "/static/27.jpg",
  "name": "当归",
  "options": ["黄芪", "白芍", "当归", "川芎"]
}
```

46. **Submit Quiz Test Results (tcm)**

Description: Submit "herb recognition" quiz results, including accuracy, username, and time spent.

- Request Method: POST
- URL: `#{API_BASE_URL}/tcm/quiz-result`
- Request Body (JSON):
 - `accuracy` (number, required): The accuracy (%) from the quiz
 - `username` (string, required): User's name
 - `totalTime` (number, required): Total time spent (seconds)
 - `lang` (string, optional, default zh)

Frontend Call Example:

`submitQuizScore(95, 'johndoe', 60, 'en');`

Sample Response:

```
{ "message": "Input succeed" }
```

Error Example (no user):

```
{ "message": "No available user" }
```

47. **Validate Herb Selection for a Prescription (tcm)**

Description: Submit user's selection of herb IDs for a prescription and receive feedback on correctness, lacking, or extra herbs.

- Request Method: POST
- URL: `#{API_BASE_URL}/tcm/checkHerbSelection`
- Request Body (JSON):
 - `prescriptionId` (number, required)
 - `selectedHerbs` (array of numbers, required)
 - `lang` (string, required)

Sample Response: (Correct)

```
{
```

```
"result": "success",
"message": "恭喜你, 选择正确",
"lack": [],
"extra": []
}
```

Sample Response: (Lacking herbs)

```
{
  "result": "failure",
  "message": "缺少药材{熟地黄}",
  "lack": [12],
  "extra": []
}
```

Sample Response: (Extra herbs)

```
{
  "result": "failure",
  "message": "药材{黄芪}是多余的",
  "lack": [],
  "extra": [27]
}
```

48. Medicinal Herb Image Test (QUIZ) Ranking List (tcm)

Description:

Fetch the top 10 user rankings for the "herb identification/quiz" module. Rankings are sorted by a combined score based on accuracy and time.

- Request Method: GET
- URL: /api/tcm/ranking
- Query Parameters: None

Example Usage:

```
const data = await fetchRankingData();
```

Example Response:

```
{
  "status": "success",
  "data": [
    {
      "username": "alice",
      "avatar": "/static/avatar1.jpg",
      "accuracy": 92,
      "score": 85
    },
    {
      "username": "bob",
```

```

    "avatar": "/static/avatar2.jpg",
    "accuracy": 90,
    "score": 83
  }
  // ... up to 10 entries
]
}

```

Field Descriptions:

- *username (string):* The player's username
- *avatar (string):* User's avatar image path
- *accuracy (number):* Average answer accuracy (%)
- *score (number):* Calculated as: $\text{Math.max}(0, \text{accuracy} - 0.03 * \text{totalTime})$ (integer, non-negative)

49. **Prescription Test (Quiz) Leaderboard (tcm)**

Description:

Fetch the top 10 user rankings for the "prescription quiz" module. Sort is also based on combined accuracy and time.

- *Request Method:* GET
- *URL:* /api/tcm/ranking/prescription
- *Query Parameters:* None

Example Usage:

```
const data = await fetchPrescriptionRankingData();
```

Example Response:

```

{
  "status": "success",
  "data": [
    {
      "username": "carol",
      "avatar": "/static/avatar3.jpg",
      "accuracy": 95,
      "score": 89
    },
    {
      "username": "dave",
      "avatar": "/static/avatar4.jpg",
      "accuracy": 88,
      "score": 80
    }
  ]
  // ... up to 10 entries
}

```

Field Descriptions:

- *username (string):* The player's username
- *avatar (string):* User's avatar image path
- *accuracy (number):* Average answer accuracy (%)
- *score (number):* Calculated as: $\text{Math.max}(0, \text{accuracy} - 0.03 * \text{totalTime})$ (integer, non-negative)

50. **Fetch Story Data (tcm)**

Description:

Retrieve the full data of a specific story (episode/scene) node.

- Request Method: GET
- URL: `/api/story/{storyId}`
 - Replace `{storyId}` with the numeric ID of the story node you want to fetch.

Example Usage:

```
const data = await fetchStoryData(1);
```

Example Response:

```
{
  "story_number": 1,
  "id": 1,
  "label": "药铺",
  "speaker": "医师",
  "dialog": "这里是故事内容",
  "choices": ["购买药材", "离开"],
  "next_id": [2, 3],
  "background": "/static/bg1.jpg",
  "character_image": ["/static/doctor.png"],
  "audio": "/static/line1.mp3",
  "speaker_en": "Doctor",
  "dialog_en": "This is the story text.",
  "choices_en": ["Buy herbs", "Leave"]
}
```

Error Response:

```
{ "message": "Story not found" }
```

51. **Fetch Next Story Data (tcm)**

Description:

Given the current scene/story node ID, retrieve an array of all possible "next" story nodes that the player can choose from.

- Request Method: GET
- URL: `/api/story/next/{storyId}`
 - Replace `{storyId}` with the current story node ID.

Example Usage:

```
const nextStories = await fetchNextStoryData(1);
```

Example Response:

```
[
  {
    "story_number": 2,
    "id": 2,
    "label": "市场",
    "speaker": "商贩",
    "dialog": "你来到市场。",
    "choices": ["还价", "购买"],
    "next_id": [4, 5],
    "background": "/static/bg2.jpg",
    "character_image": ["/static/vendor.png"],
    "audio": "/static/line2.mp3",
    "speaker_en": "Vendor",
    "dialog_en": "You arrive at the market.",
    "choices_en": ["Bargain", "Buy"]
  },
  {
    "story_number": 3,
    "id": 3,
    "label": "药铺外",
    "speaker": "同伴",
    "dialog": "你离开了药铺。",
    "choices": ["返回药铺", "去巷子"],
    "next_id": [1, 8],
    "background": "/static/bg3.jpg",
    "character_image": ["/static/friend.png"],
    "audio": "/static/line3.mp3",
    "speaker_en": "Companion",
    "dialog_en": "You left the pharmacy.",
    "choices_en": ["Return to pharmacy", "Go to alley"]
  }
]
```

Error Response:

```
{ "message": "Story not found" }
```

52. Get Herb names by Herb Ids

```
/**
 * Batch Get Herb Names by IDs
 *
 * Request method: POST
 * Request URL: `${API_BASE_URL}/herbs/batchNames`
 * Request body:
```



```

* {
*   ids: [1, 2, 3],
*   lang: "zh"
* }
*
* Response example:
* [
*   { id: 1, name: "黄芪" },
*   { id: 2, name: "当归" },
*   { id: 3, name: "白术" }
* ]
*
* Errors:
* 返回 null 并打印错误信息
*/
export const getHerbNamesBatch = async (ids, lang = 'zh') => {
  try {
    const response = await axios.post(`${API_BASE_URL}/herbs/batchNames`, {
      ids,
      lang
    });
    return response.data; // 假设返回直接是数组
  } catch (error) {
    console.error(`批量获取药材名称失败: ${error.message}`);
    return null;
  }
};

```