

Generate, preview, customise, and manage QR codes locally with FastAPI.

[QR Forge - Website](#)

[Send email to QR Forge](#)

[MIT](#)

[Authorize](#) 

## auth Authentication endpoints for signing up, logging in, and logging out.

^

**POST** /api/auth/signup Create a new user account

^

### Parameters

[Try it out](#)

No parameters

### Request body required

application/json

▼

[Example Value](#) | [Schema](#)

```
{  
  "email": "user@example.com",  
  "full_name": "Sample User",  
  "password": "strongpass123"  
}
```

### Responses

Code	Description	Links
201	Newly created user profile	<a href="#">No links</a>

Media type

application/json

▼

Controls Accept header.

[Example Value](#) | [Schema](#)

**Code****Description****Links**

```
{  
    "created_at": "2024-01-01T12:00:00Z",  
    "email": "user@example.com",  
    "full_name": "Sample User",  
    "id": 1,  
    "updated_at": "2024-01-02T12:00:00Z"  
}
```

422

Validation Error

No links

Media type

application/json



Example Value | Schema

```
{  
    "detail": [  
        {  
            "loc": [  
                "string",  
                0  
            ],  
            "msg": "string",  
            "type": "string"  
        }  
    ]  
}
```

**POST****/api/auth/login** Authenticate and receive an access token**Parameters****Try it out**

No parameters

**Request body** required

application/json



Example Value | Schema

```
{  
    "email": "user@example.com",  
    "password": "strongpass123"  
}
```

**Responses****Code****Description****Links**

200

Bearer token for subsequent requests

No links

Media type

application/json



Controls Accept header.

Example Value | Schema

**Code****Description****Links**

```
{  
    "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...",  
    "token_type": "bearer"  
}
```

422

Validation Error

*No links*

Media type

**application/json**[Example Value](#) | [Schema](#)

```
{  
    "detail": [  
        {  
            "loc": [  
                "string",  
                0  
            ],  
            "msg": "string",  
            "type": "string"  
        }  
    ]  
}
```

**POST****/api/auth/logout** Client-side logout acknowledgement

## Parameters

**Try it out**

No parameters

## Responses

**Code****Description****Links**

200

Successful Response

*No links*

Media type

**application/json**

Controls Accept header.

[Example Value](#) | [Schema](#)

```
{  
    "additionalProp1": {}  
}
```

## Users

 Profile management endpoints for viewing, updating, or deleting the current user.**GET****/api/user/me** Return the authenticated user's profile

## Parameters

Try it out

No parameters

## Responses

Code	Description	Links
200	Current user record	<i>No links</i>

Media type

application/json

▼

Controls Accept header.

Example Value | Schema

```
{ "created_at": "2024-01-01T12:00:00Z", "email": "user@example.com", "full_name": "Sample User", "id": 1, "updated_at": "2024-01-02T12:00:00Z" }
```

**DELETE**

/api/user/me Delete the authenticated user and all owned QR codes



Try it out

## Parameters

No parameters

## Responses

Code	Description	Links
200	Confirmation payload	<i>No links</i>

Media type

application/json

▼

Controls Accept header.

Example Value | Schema

```
{ "additionalProp1": {} }
```

**PATCH**

/api/user/me Update profile details



No parameters

**Request body** required**application/json** ▼[Example Value](#) | [Schema](#)

```
{  
    "full_name": "string",  
    "password": "string"  
}
```

**Responses**

Code	Description	Links
200	Updated user record	<i>No links</i>
422	Validation Error	<i>No links</i>

Media type

**application/json** ▼

Controls Accept header.

Example Value | Schema

```
{  
    "created_at": "2024-01-01T12:00:00Z",  
    "email": "user@example.com",  
    "full_name": "Sample User",  
    "id": 1,  
    "updated_at": "2024-01-02T12:00:00Z"  
}
```

Media type

**application/json** ▼

Example Value | Schema

```
{  
    "detail": [  
        {  
            "loc": [  
                "string",  
                0  
            ],  
            "msg": "string",  
            "type": "string"  
        }  
    ]  
}
```

POST

/api/qr/preview Render a customised QR preview without saving



^

## Parameters

Try it out

No parameters

Request body required

application/json



Example Value | Schema

```
{  
  "background_color": "#ffffff",  
  "border_radius": 20,  
  "foreground_color": "#1f3a93",  
  "padding": 12,  
  "size": 320,  
  "title": "Campaign QR",  
  "url": "https://example.com"  
}
```

## Responses

Code	Description	Links
200	Inline base64 PNG and SVG markup	No links
422	Validation Error	No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
{  
  "png_data": "iVBORw0KGgoAAAANSUhEUg...",  
  "svg_data": "<svg xmlns=...>"  
}
```

Media type

application/json

Example Value | Schema

```
{  
  "detail": [  
    {  
      "loc": [  
        "string",  
        0  
      ],  
      "msg": "string",  
      "type": "string"  
    }  
  ]  
}
```

Code

Description

Links

```
        }  
    ]  
}
```

GET

/api/qr List QR codes owned by the authenticated user



Parameters

Try it out

No parameters

Responses

Code

Description

Links

200

Successful Response

No links

Media type

application/json



Controls Accept header.

Example Value | Schema

```
[  
  {  
    "id": 0,  
    "user_id": 0,  
    "title": "string",  
    "url": "string",  
    "foreground_color": "#000000",  
    "background_color": "#FFFFFF",  
    "size": 256,  
    "padding": 10,  
    "border_radius": 0,  
    "overlay_text": "stri",  
    "svg_path": "string",  
    "png_path": "string",  
    "created_at": "2025-10-01T09:49:48.413Z",  
    "updated_at": "2025-10-01T09:49:48.413Z"  
  }  
]
```

POST

/api/qr Persist a customised QR code



Parameters

Try it out

No parameters

Request body required

application/json



Example Value | Schema

```
{  
    "background_color": "#FFFFFF",  
    "border_radius": 20,  
    "foreground_color": "#1f3a93",  
    "padding": 12,  
    "size": 320,  
    "title": "Campaign QR",  
    "url": "https://example.com"  
}
```

## Responses

Code	Description	Links
201	<p>Saved QR item with asset paths</p> <p>Media type</p> <div><p>application/json</p><p>▼</p></div> <p>Controls Accept header.</p> <p><a href="#">Example Value</a>   <a href="#">Schema</a></p> <pre>{     "id": 0,     "user_id": 0,     "title": "string",     "url": "string",     "foreground_color": "#000000",     "background_color": "#FFFFFF",     "size": 256,     "padding": 10,     "border_radius": 0,     "overlay_text": "stri",     "svg_path": "string",     "png_path": "string",     "created_at": "2025-10-01T09:49:48.416Z",     "updated_at": "2025-10-01T09:49:48.416Z" }</pre>	<i>No links</i>
422	<p>Validation Error</p> <p>Media type</p> <div><p>application/json</p><p>▼</p></div> <p><a href="#">Example Value</a>   <a href="#">Schema</a></p> <pre>{     "detail": [         {             "loc": [                 "string",                 0             ],             "msg": "string",             "type": "string"         }     ] }</pre>	<i>No links</i>

GET

/api/qr/history Alias for listing QR history



Parameters

Try it out

No parameters

## Responses

Code	Description	Links
200	Successful Response	No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```
[  
  {  
    "id": 0,  
    "user_id": 0,  
    "title": "string",  
    "url": "string",  
    "foreground_color": "#000000",  
    "background_color": "#FFFFFF",  
    "size": 256,  
    "padding": 10,  
    "border_radius": 0,  
    "overlay_text": "stri",  
    "svg_path": "string",  
    "png_path": "string",  
    "created_at": "2025-10-01T09:49:48.418Z",  
    "updated_at": "2025-10-01T09:49:48.418Z"  
  }  
]
```

**DELETE** /api/qr/{item\_id} Delete a saved QR code



## Parameters

[Try it out](#)

Name	Description
item_id * required integer (path)	item_id

## Responses

Code	Description	Links
200	Confirmation payload	No links

Media type

application/json

Controls Accept header.

Code	Description	Links
	<p>Controls Accept header.</p> <p>Example Value   Schema</p> <pre>{   "additionalProp1": {} }</pre>	
422	<p>Validation Error</p> <p>Media type</p> <p>application/json ▾</p> <p>Example Value   Schema</p> <pre>{   "detail": [     {       "loc": [         "string",         0       ],       "msg": "string",       "type": "string"     }   ] }</pre>	No links

GET /api/qr/{item\_id}/download Download a saved QR code 🔒 ⏚

**Parameters** Try it out

Name	Description
item_id * required integer (path)	item_id
format string (query)	<p>Default value : svg</p> <p>svg</p> <p>pattern: ^(svg/png)\$</p>

**Responses**

Code	Description	Links
200	Binary SVG or PNG stream	No links
	<p>Media type</p> <p>application/json ▾</p> <p>Controls Accept header.</p>	

Code	Description	Links
	<p>Example Value   Schema</p> <pre>"string"</pre>	
422	<p>Validation Error</p> <p>Media type</p> <p>application/json</p> <p>Example Value   Schema</p> <pre>{   "detail": [     {       "loc": [         "string",         0       ],       "msg": "string",       "type": "string"     }   ] }</pre>	No links

## export CSV export of the authenticated user's QR history.



GET

/api/export/csv Export the authenticated user's QR history as CSV



Try it out

### Parameters

No parameters

### Responses

Code	Description	Links
200	<p>CSV stream containing saved QR metadata</p> <p>Media type</p> <p>application/json</p> <p>Controls Accept header.</p> <p>Example Value   Schema</p> <pre>"string"</pre>	No links

# default



GET

/ Serve the landing page



## Parameters

[Try it out](#)

No parameters

## Responses

Code	Description	Links
200	<p>Successful Response</p> <p>Media type</p> <p><code>text/html</code></p> <p>Controls Accept header.</p> <p><a href="#">Example Value</a>   <a href="#">Schema</a></p> <p><code>string</code></p>	<i>No links</i>

GET

/generator Serve the QR generator UI



## Parameters

[Try it out](#)

No parameters

## Responses

Code	Description	Links
200	<p>Successful Response</p> <p>Media type</p> <p><code>text/html</code></p> <p>Controls Accept header.</p> <p><a href="#">Example Value</a>   <a href="#">Schema</a></p> <p><code>string</code></p>	<i>No links</i>

**Code****Description****Links****GET****/history** Serve the saved history UI**Parameters****Try it out**

No parameters

**Responses****Code****Description****Links**

200

Successful Response

*No links*

Media type

**text/html**

Controls Accept header.

**Example Value** | Schema**string****GET****/profile** Serve the profile management UI**Parameters****Try it out**

No parameters

**Responses****Code****Description****Links**

200

Successful Response

*No links*

Media type

**text/html**

Controls Accept header.

**Example Value** | Schema**string**

**Code****Description****Links****GET****/login** Serve the login UI**Parameters****Try it out**

No parameters

**Responses****Code****Description****Links**

200

Successful Response

*No links*

Media type

**text/html**

Controls Accept header.

**Example Value** | Schema**string****GET****/signup** Serve the signup UI**Parameters****Try it out**

No parameters

**Responses****Code****Description****Links**

200

Successful Response

*No links*

Media type

**text/html**

Controls Accept header.

**Example Value** | Schema**string**

Code

Description

Links

GET

/health Simple health check



## Parameters

Try it out

No parameters

## Responses

Code

Description

Links

200

Successful Response

No links

Media type

application/json



Controls Accept header.

Example Value | Schema

```
{  
  "additionalProp1": {}  
}
```

## Schemas



### HTTPValidationError ^

Collapse all object

detail > Expand all array<object>

### QRCreate ^

Collapse all object

title\* string

url\* string uri [1, 2083] characters

foreground\_color > Expand all string matches ^#[0-9a-fA-F]{6}\$

background\_color > Expand all string matches ^([#][0-9a-fA-F]{6})|transparent)\$

size > Expand all integer [128, 1024]

padding > Expand all integer [0, 128]

border\_radius > Expand all integer [0, 120]

Example > Expand all object

## QRItem ^ Collapse all `object`

`id` > Expand all `(integer | null)`  
`user_id*` `integer`  
`title` > Expand all `(string | null)`  
`url*` `string`  
`foreground_color` > Expand all `string` `≤ 7 characters`  
`background_color` > Expand all `string` `≤ 7 characters`  
`size` > Expand all `integer` `[64, 1024]`  
`padding` > Expand all `integer` `[0, 80]`  
`border_radius` > Expand all `integer` `[0, 60]`  
`overlay_text` > Expand all `(string | null)`  
`svg_path*` `string`  
`png_path` > Expand all `(string | null)`  
`created_at` `string` `date-time`  
`updated_at` `string` `date-time`

## QRPreviewResponse ^ Collapse all `object`

`svg_data*` `string`  
`png_data*` `string`  
*Example* > Expand all `object`

## Token ^ Collapse all `object`

`access_token*` `string`  
`token_type` > Expand all `string`  
*Example* > Expand all `object`

## UserCreate ^ Collapse all `object`

`email*` `string` `email`  
`full_name` > Expand all `(string | null)`  
`password*` `string`  
*Example* > Expand all `object`

## UserLogin ^ Collapse all `object`

`email*` `string` `email`  
`password*` `string`  
*Example* > Expand all `object`

## UserRead ^ Collapse all `object`

`email*` `string` `email`

`full_name` > Expand all `(string | null)`

`id*` `integer`

`created_at*` `string` `date-time`

`updated_at*` `string` `date-time`

`Example` > Expand all `object`

## UserUpdate ^ Collapse all `object`

`full_name` > Expand all `(string | null)`

`password` > Expand all `(string | null)`

## ValidationError ^ Collapse all `object`

`loc*` > Expand all `array<(string | integer)>`

`msg*` `string`

`type*` `string`