

## PreCode Generator API v1

REST API user auth y code generation by use of Gemini API.

### POST /auth/login

login and creation of token JWT (Security: None)

#### Body/Headers (Request)

```
{  
    "contentType": "application/json",  
    "body": {  
        "email": {  
            "type": "string",  
            "required": true,  
            "description": "User Email.",  
            "example": "user@example.com"  
        },  
        "password": {  
            "type": "string",  
            "required": true,  
            "description": "User password.",  
            "example": "mypassword"  
        }  
    }  
}
```

#### Response Codes:

**200:** Login succesfull.  
**400:** Invalid request. Missing fields.  
**401:** Invalid credentials.  
**404:** User does not exist.

### GET /auth/profile

Obtain auth. user datas (Security: JWT Bearer Token)

#### Body/Headers (Request)

```
{  
    "headers": {  
        "Authorization": {  
            "type": "string",  
            "required": true,  
            "description": "Bearer <jwt_token>"  
        }  
    }  
}
```

#### Response Codes:

**200:** Obtained profile.  
**401:** Not authorized. Invalid or missing Token.

### POST /gemini/process

Code generation by IA (Security: JWT Bearer Token)

#### Body/Headers (Request)

```
{  
    "contentType": "application/json",  
    "headers": {  
        "Authorization": {  
            "type": "string",  
            "required": true,  
            "description": "Bearer <jwt_token>"  
        }  
    },  
    "body": {  
        "task_type": {  
            "type": "string",  
            "required": true,  
            "description": "Required task.",  
            "example": "code_generation"  
        },  
        "data": {  
            "type": "object",  
            "required": true,  
            "description": "Task configuration.",  
            "fields": {  
                "target_language": {  
                    "type": "string",  
                    "required": true,  
                    "example": "Python"  
                },  
                "user_instructions": {  
                    "type": "string",  
                    "required": true,  
                    "example": "Create a class with a constructor."  
                },  
                "context_headers": {  
                    "type": "object",  
                    "required": false,  
                    "description": "Class restrictions/methods."  
                },  
                "style_config": {  
                    "type": "object",  
                    "required": false,  
                    "description": "Code style (ej. snake_case)."  
                }  
            }  
        }  
    }  
}
```

#### Response Codes:

**200:** Code generated succesfully.  
**400:** Invalid request. Missing required fields.  
**401:** Not authorized. Invalid Token.  
**500:** Gemini API or Internal Server Error.