Nama Kelompok :

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**Web service "Add-on forum"**

**- Deskripsi Program:**

Kami membuat sebuah layanan web service yang menggunakan platform Discourse. Layanan ini dapat ditanamkan (embed) dan digunakan oleh situs web yang membutuhkan fitur forum atau papan pesan (message board) untuk mendukung komunitas.

Dengan menggunakan layanan ini, pengembang situs web tidak perlu membangun fitur forum dari awal, tetapi cukup menyematkan layanan web tersebut ke dalam situs web mereka. Selain itu, layanan web ini menyediakan fitur tambahan untuk memblokir komentar yang tidak pantas atau tidak layak. Dalam web service kami hanya terdapat 1 jenis account saja yaitu developer.

Developer adalah orang/user yang ingin mengintegrasikan web service ini ke website mereka. Developer dari add-on forum harus mendaftarkan username, email, password dan nomor HP untuk mengkonfirmasi identitas. Developer mendaftar untuk memperoleh Token. Apabila program dari deveoper ingin mengakses endpoint yang kita sediakan, maka mereka perlu menyertakan API key mereka. Developer harus membayar Rp. 1.000,00 untuk setiap 200 permintaan/request website kepada kami.

Add-on forum sebuah program tambahan atau ekstensi yang dapat ditambahkan ke dalam sebuah platform atau CMS (Content Management System) untuk memberikan fitur forum atau papan pesan (message board) yang terintegrasi dengan situs web atau aplikasi. Add-on forum ini memungkinkan pengguna untuk membuat topik diskusi, mengirimkan pesan, membalas pesan, membagikan file, dan terlibat dalam komunitas online melalui situs web atau aplikasi yang mereka gunakan.

**- Contoh Program yang Bisa Memanfaatkan Service Ini:**

1. Website berisi forum untuk melakukan sejumlah diskusi tentang beberapa topik.

Contoh website forum (Unreal engine, Cartalk, Jupiter, UiPath).

2. Blog untuk memberikan komentar

**- Third Party API yang Digunakan :**

- Cyber Guardian & Text Translator

**-Fitur:**

**DEVELOPER:**

* **[POST] /api/developers/register**
* Untuk register developer baru
* Request body : username, email, password, phone,
* Response: user\_id, username, email, phone, saldo, api\_hit

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| **Contoh Request** | **Hasil Request** |
| **Body**   * username: Ikari Akemi6 * email: [akemi6@gmail.com](mailto:akemi6@gmail.com) * password: Akemi123 * phone: 85124987 | {      "body": {          "ID User": "DEV002",          "Display name": "Ikari Akemi",          "Email": "akemi@gmail.com",          "No Handphone": "(021)85124987",          "Saldo": 0,          "Api Hit": 0      }  } |

* **[POST] /api/developers/login**
* Untuk login developer dan nantinya akan mendapatkan token
* Request body : email, password
* Response: Token

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| **Contoh Request** | **Hasil Request** |
| **Body**   * email: [akemi6@gmail.com](mailto:akemi6@gmail.com) * password: Akemi123 | {      "Developer": "DiscordTeam@Outlook.com",      "Token Activ": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDMiLCJpYXQiOjE2ODQ4MDcyMjZ9.IA8v238DkFaRdLsxOqEo1eJkbPJP1rasYG5K4tZ7cuY"  } |

* **[POST] /api/developers/topup**
* Untuk topup saldo developer
* Request body : nominal, token
* Response : saldo

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| **Contoh Request** | **Hasil Request** |
| **Body**   * saldo: 1000   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "Saldo": 20000  } |

* **[POST] /api/developers/recharge**
* Untuk membeli api\_hit developer
* Request body : jumlah api, token
* Response : jumlah api hit

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| **Contoh Request** | **Hasil Request** |
| **Body**   * Api\_hit: 10   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "Total Api Hit": 10,      "Balance Count": 19950  } |

* **[POST] /api/developers/add/user {*Api\_hit => 2*}**
* Untuk menginputkan user\_id ke dalam group
* Request body : user\_id, group\_id, token
* Response : “User telah bergabung di group”

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| **Contoh Request** | **Hasil Request** |
| **Body**   * Group\_id: GRP001 * User\_id: USR001   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "message": "User joined the group",      "Group Id": "GRP001",      "User Id": "USR002"  } |

* **[GET] /api/developers/groupuser/:group\_id {*Api\_hit => 2*}**
* Untuk mendapatkan semua list user\_id yang menjadi anggota group tersebut
* Request body : token
* Response : list\_user

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| **Contoh Request** | **Hasil Request** |
| **Params**   * Group\_id: GRP001   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "Group\_id": "GRP001",      "Group\_name": "test mang",      "members": [          "USR001",          "USR002",          "USR003",          "USR008"      ]  } |

**GROUP:**

* **[POST] /api/group {*Api\_hit => 5*}**
* Untuk membuat group baru
* Request body : group\_name, group\_description, profile\_picture, user\_id, token
* Response : developer\_name, group\_id, group\_name, group\_description, link\_profile\_picture, created\_at

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| **Contoh Request** | **Hasil Request** |
| **Body**   * group\_name: General * group\_description: This is general group * profile\_picture: (image from device) * user\_id: USR001   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "group\_id": "GRP002",      "developer\_name": "Ikari Akemi",      "user\_id": "USR001",      "group\_name": "General",      "group\_description": "This is general group",      "profile\_picture": "./uploads/GRP002.png",      "created\_at": "2023-05-22 19:38:30"  } |

* **[PUT] /api/group/:group\_id {*Api\_hit => 3*}**
* Untuk mengedit group
* Request body : group\_name, group\_description, profile\_picture, user\_id, token
* Response: developer\_name, group\_id, group\_name, group\_description, link\_profile\_picture, user\_id

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| **Contoh Request** | **Hasil Request** |
| **Body**   * group\_name: New General * group\_description: This is new general group * profile\_picture: (image from device) * user\_id: USR005   **Params**   * group\_id: GRP002   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "group\_id": "GRP002",      "developer\_name": "Ikari Akemi",      "user\_id": "USR005",      "group\_name": "New General",      "group\_description": "This is new General group",      "profile\_picture": "./uploads/GRP002.png",      "created\_at": "2023-05-22 19:38:30"  } |

* **[DELETE] /api/group/:group\_id {*Api\_hit => 2*}**
* Untuk menghapus group
* Request body : token
* Response : “Group berhasil di hapus”

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| **Contoh Request** | **Hasil Request** |
| **Params**   * group\_id: GRP004   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "message": "Success delete General"  } |

* **[GET] /api/group/:group\_id {*Api\_hit => 2*}**
* Untuk mencari group berdasarkan group\_id
* Requst body: token
* Response : developer\_name, group\_id, group\_name, group\_description, link\_profil\_picture, user\_id

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| **Contoh Request** | **Hasil Request** |
| **Params**   * group\_id: GRP002   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "group\_id": "GRP002",      "developer\_name": "Ikari Akemi",      "user\_id": "USR001",      "group\_name": "General",      "group\_description": "This is general group",      "profile\_picture": "-",      "created\_at": "2023-05-23 08:13:44"  } |

**THREAD:**

* **[POST] /api/thread {*Api\_hit => 3*}**
* Untuk membuat thread baru
* Request body : group\_id, user\_id, thread\_name, thread\_description, token
* Response : thread\_id, thread\_name, thread\_description, created\_at

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| **Contoh Request** | **Hasil Request** |
| **Body**   * group\_id: GRP001 * user\_id: USR002 * thread\_name: New Thread * thread\_description: Description of New Thread   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "thread\_id": "THR002",      "thread\_name": "New Thread",      "thread\_description": "Description of New Thread",      "created\_at": "2023-05-22 20:42:00"  } |

* **[PUT] /api/thread/:thread\_id {*Api\_hit => 3*}**
* Untuk mengedit thread
* Request body : user\_id, thread\_name, thread\_description, token
* Response : thread\_id, user\_id, thread\_name, thread\_description

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| **Contoh Request** | **Hasil Request** |
| **Body**   * user\_id: USR001 * thread\_name: New test * thread\_description: test   **Params**   * thread\_id: THR001   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "thread\_id": "THR001",      "user\_id": "USR001",      "thread\_name": "new Test",      "thread\_description": "test"  } |

* **[DELETE] /api/thread/:thread\_id {*Api\_hit => 2*}**
* Untuk menghapus thread
* Request body : token
* Response : “Thread berhasil di hapus”

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| **Contoh Request** | **Hasil Request** |
| **Params**   * thread\_id: THR004   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "message": "Thread successfully deleted"  } |

* **[GET] /api/thread/:thread\_id {*Api\_hit => 2*}**
* Untuk mencari thread berdasarkan thread\_id
* Request body : token
* Response : thread\_id, user\_id, thread\_name, thread\_description

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| **Contoh Request** | **Hasil Request** |
| **Params**   * thread\_id: THR001   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "thread\_id": "THR001",      "user\_id": "USR001",      "thread\_name": "new Test",      "thread\_description": "test"  } |

**POST :**

* **[POST] /api/post {*Api\_hit => 5*}**
* Untuk membuat post baru
* Request body : thread\_id, user\_id, post\_name, post\_description, post\_file, token
* Response : post\_id, post\_name, post\_description, link\_post\_file, views, like, dislike, created\_at

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| **Contoh Request** | **Hasil Request** |
| **Body**   * thread\_id: THR001 * user\_id: USR001 * post\_name: Ini Post * post\_description: 123 * post\_file: (image from device)   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "post\_id": "POS002",      "post\_name": "Ini Post",      "post\_description": "123",      "link\_post\_file": "./uploads/POS002.pptx",      "views": 0,      "like": {},      "dislike": {},      "created\_at": "2023-05-22 22:47:49"  } |

* **[PUT] /api/post/:post\_id {*Api\_hit => 3*}**
* Untuk mengedit post
* Input: post\_id, user\_id, post\_name, post\_description, post\_file, token
* Response : post\_id, user\_id, post\_name, post\_description, link\_post\_file

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| **Contoh Request** | **Hasil Request** |
| **Body**   * user\_id: USR001 * post\_description: Hello   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs   **Params**   * post\_id: POS002 | {      "message": "Success",      "post\_id": "POS002",      "user\_id": "USR001",      "post\_name": "Ini Post",      "post\_description": "Hello",      "link\_post\_file": "",      "like": [],      "dislike": []  } |

* **[DELETE] /api/post/:post\_id {*Api\_hit => 2*}**
* Untuk menghapus thread
* Request body : token
* Response : “Post berhasil di hapus”

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| **Contoh Request** | **Hasil Request** |
| **Params**   * post\_id: POS002   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "message": "Success delete Ini Post"  } |

* **[GET] /api/post/:post\_id {*Api\_hit => 2*}**
* Untuk mencari post berdasarkan post\_id
* Request body : token
* Response : post\_id, user\_id, post\_name, post\_description, link\_post\_file

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| **Contoh Request** | **Hasil Request** |
| **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | [      {          "post\_id": "POS001",          "thread\_id": "THR001",          "user\_id": "USR001",          "post\_name": "Different Algorithms for 50-50 A/B Testing",          "post\_description": "We are running A/B tests on web app customers, given a customerId. Each customer will see different minor UX changes. Trying to prevent usage of Feature Flags as its not currently setup yet in our system.\n\n Initially we tried Even-Odd on CustomerId number, 50-50% ratio to test Feature 1. Example UserId 4 is even, 7 is odd. However, when testing another……",          "post\_image": "",          "views": 0,          "likes": **null**,          "dislikes": **null**,          "created\_at": "2023-05-20 11:42:14"      }  ] |

* **[GET] /api/post/trending {*Api\_hit => 2*}**
* Untuk menampilkan semua post yang sedang trending
* Input: token
* Response : Hasil trending post

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| **Contoh Request** | **Hasil Request** |
| **Params**   * post\_id: POS001   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "post\_id": "POS001",      "user\_id": "USR001",      "post\_name": "Different Algorithms for 50-50 A/B Testing",      "group\_description": "We are running A/B tests on web app customers, given a customerId. Each customer will see different minor UX changes. Trying to prevent usage of Feature Flags as its not currently setup yet in our system.\n\n Initially we tried Even-Odd on CustomerId number, 50-50% ratio to test Feature 1. Example UserId 4 is even, 7 is odd. However, when testing another……",      "link\_post\_file": "",      "views": 2,      "likes": [],      "dislike": [],      "created\_at": "2023-05-20 11:42:14"  } |

**COMMENT:**

* **[POST] /api/comment {*Api\_hit => 2*}**
* Untuk menambahkan comment baru
* Request body : post\_id, user\_id, comment, token
* Response : comment, created\_at

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| **Contoh Request** | **Hasil Request** |
| **Body**   * post\_id: POS001 * user\_id: USR001 * comment: Halo   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "comment": "Halo",      "created\_at": "2023-05-23 11:14:27"  } |

* **[PUT] /api/comment/:comment\_id {*Api\_hit => 2*}**
* Untuk mengedit comment
* Request body : user\_id, comment, token
* Response : user\_id, comment

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| **Contoh Request** | **Hasil Request** |
| **Body**   * user\_id: USR001 * comment: testComment   **Header**   * eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs   **Params**   * comment\_id: 1 | {      "user\_id": "USR001",      "comment": "testComment"  } |

* **[DELETE] /api/comment/:comment\_id {*Api\_hit => 2*}**
* Untuk menghapus comment
* Request body : token
* Response : “Komentar berhasil di hapus”

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| **Contoh Request** | **Hasil Request** |
| **Params**   * Comment\_id: 2   **Header**   * x-auth-token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkZXZlbG9wZXJfaWQiOiJERVYwMDIiLCJpYXQiOjE2ODQ3NjI0Nzd9.boE9AeF05ohNxCD\_ZHyf0DHLr6BEeSOflWA4AYxdnbs | {      "comment": "Halo",      "message": "This comment was successfully deleted!"  } |