**Crowdfunding – Minimum Viable Product**

|  |  |
| --- | --- |
| **Title** | CrowdMentor |
| **Tagline** | Linking dreamers with achievers |
| **Purpose** | Providing a platform to advertise development areas that users are looking to improve on (such as soft skills, leadership, physical work, technical work etc.) |
| **Audience** | Project Owners: Those with specific skill sets to develop  Crowdfunders: Those with skills and time to mentor/tutor |
| **Business Model** | Reward based – not financial, funders are volunteers |
| **Example** | Project Owner: User adds a project that says they are looking to learn Python with a specific interest in being able to build a game  Crowdfunders: Search by their skills to find a match that they are comfortable with. They can then pledge time to assist (such as 4x 1hr sessions) |
| **Key Features** | Create account (authorised user access) |
| Create projects (limited only for users) |
| Create a pledge (limited only for users) |
| Way for pledgers to connect to project owners and vice versa |
| Progress meter to track progress to goal |
| Responsive design for web and mobile |
| **Additional Features** | Search for active projects |
| Search projects by category, description and/or location |
| Option for Crowdfunders to organise masterclasses by sending request to a group of project owners with similar catagories asking for a group session |
| Setting goal to either time (hr) which is the default but also give option for date where a pledge has to commit all (e.g commit to assisting to meet that goal |
| **Colour Scheme** | Snow: #FFFCFF |
| Celadon Blue #247BA0 |
| Khaki Web: #C3B299 |
| **Font** | Header: TBC |
| Body: TBC |

**Logo**

**Logo, company name

Description automatically generated**

**Database Schema**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User** | | **Project** | | **Pledges** | |
| Id | Integer | Id | Integer | Id | Integer |
| Username | String | Title | String | Supporter | Integer |
| Name | String | Owner | integer | Project | Integer |
| Email | String | Description | String | Amount (hours) | Integer |
| Password | String | Category | String | Comment | Integer |
| Image | String | Location | String |  |  |
| Bio | String | Goal | String |  |  |
| Date\_joined | date | Image | String |  |  |
|  |  | Is\_open | Boolean |  |  |
|  |  | Date\_created | Datetime |  |  |

**Wireframe**

**Diagram, text

Description automatically generated**

**API Specification**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **HTTP Method** | **URL** | **Purpose** | **Request Body** | **Successful Response Code** | **Authentication / Authorization** |
| GET | /api/users/ | Returns all users | N/A | 200 | Must be logged in |
| GET | /api/users/1/ | Returns the user with ID of ‘1’ | N/A | 200 | N/A |
| GET | /api/projects/ | Returns all projects | N/A | 200 | N/A |
| GET | /api/projects/1/ | Returns all project with ID of ‘1’ | N/A | 200 | N/A |
| GET | /api/projects/Sport/ | Returns projects with category of ‘Sport’ | N/A | 200 | N/A |
| GET | /api/projects/Online/ | Returns projects with location of ‘Online’ | N/A | 200 | N/A |
| GET | /api/projects/open/ | Returns projects with Is\_open of ‘True’ | N/A | 200 | N/A |
| GET | /api/projects/1/pledges/ | Returns all pledges for project with ID of ‘1’ | N/A | 200 | Must be logged in  Must be the project owner |
| GET | /api/pledges/1/ | Get the pledge with ID of ‘1’ | N/A | 200 | N/A |
| GET | /api/pledges/support1/ | Get the pledge with supporter of ‘1’ | N/A | 200 | Must be logged in  Must be the project owner or pledge supporter |
| POST | /api/users/ | Create new user | User object | 201 | N/A |
| POST | /api/projects/ | Creates a new project | Project object | 201 | Must be logged in |
| POST | /api/pledges/ | Create a new pledge | Pledge object | 201 | Must be logged in  Must not be the owner of the project |
| PUT | /api/users/1/ | Update the user with ID of ‘’1’ | User object | 201 | Must be logged in  Must be user |
| PUT | /api/projects/1/ | Update the project with ID of ‘1’ | Project object | 201 | Must be logged in  Must be owner of project |
| PUT | /api/pledges/1/ | Update the pledge with ID of ‘1’ | Pledge object | 201 | Must be logged in  Must be pledge owner |
| DELETE | /api/users/1/ | Delete the user with ID of ‘1’ | N/A | 200 | Must be logged in  Must be the user |
| DELETE | /api/projects/1/ | Delete the project with ID of ‘1’ | N/A | 200 | Must be logged in  Must be owner of project |
| DELETE | /api/pledges/1/ | Delete the pledge with ID of ‘1’ | N/A | 200 | Must be logged in  Must be pledge owner |