INFO 6250 Web Tools Technology

FINAL PROJECT – FALL 2017

Project Scope

Created an application designed to support crowdsourcing.

Overview

Created a platform for startup to do business with another startup or an individual. The platform supports administrative functionality to avoid any rogue activity.

Project Architecture

☑ Angular (4+) (Angular CLI)

☑ 3 Tier Architecture (Controller, Business, Data)

☑ REST (Spring REST)

☑ Service/Business Layer (Spring)

☑ Spring Data + Hibernate.

☑ MySQL (Primary Keys and Foreign Key Relationship)

Project Actors

- o Administrator
- o Startup
- o Creators
- o Funders/Backers
- o Guest

Use Case – Administrator (Manages the application)

- ☐ Administrator Logins and view admin workspaces (Menu.)

- ☐ Manages categories (Web, Fashion, Pharmaceuticals, Phone, Devices , etc..) for creating ideas.

  - ☐ Idea which have Categories against it cannot be deleted but can be disabled.

- ☐ View all Idea created, Search by categories.

  - ☐ Disables any Ideas which are spam based with reason.

  - ☐ View Details of Ideas (Funding List and Services List)

- ☐ Manage all Creators, Search by Name.

  - ☐ Delete a creator who has no Idea with reason.

  - ☐ Disabled creator and his ideas with reason.

- ☐ Manage all Startups, Search by Company Name.

  - ☐ Delete a startup if not services are provided by startup with reason.

  - ☐ Disable startup and any services provided by startup with reason.

- ☐ Dashboard for Administrator

  - ☐ View Total Sponsorship and Category wise breakdown

  - ☐ Creators who have registered but not created any ideas for the last X days.

  - ☐ Startup not completed Services in the given timeframe.

- ☐ Register for another admin.

Use Case – Startup.

☐ Startup User Logins and View Startup Workspaces.

☐ Startup registers into the system with basic details under a category.

☐ Can view ideas under their categories (Order by most recently created eg: 1d , 5d)

☐ Bid for services on an Ideas.

    ☐ Bid is placed by entering the amount (Bid Amount cannot be more than the max amount)

    ☐ Duration of completion (End Date/ days cannot be greater than project completion date)

    ☐ Description of work.

☐ Views accepted services from different Ideas.

☐ Marks % of completion of an Idea

    ☐ Enable Stage wise display of Service completion

        ☐ At each stage when % is marked. Stored information and details.

☐ Display Alerts for services not completed nearing ending of completion.

Use Case – Creators

- ☐ Logins and view creator workspace

- ☐ View all Ideas and search based on category.

- ☐ Create an Idea.

  - ☐ Idea Name

  - ☐ Idea Description.

  - ☐ Idea Total Funding Amount.

  - ☐ Idea Duration.

  - ☐ Funding Details (Completion Date)

    - ☑ Value received for Services provided by the idea. (Will be multiple, min 4)

    - ☐ Max Number of funding received per services.

    Pay $100, get 1 unit of service provided by this idea, 1000 available

    Pay $400, get 5 unit of service provided by this idea, 500 available.

  - ☐ Collaboration Details.

    - ☐ Services required, amount provided for services & duration

    Get $ 1000 for <service> provided. (service: mobile app)

    Get $ 2000 for <service> provided. (service: hardware manufacturing.)

- ☐ View Idea creator by himself.

  - ☐ View Funding List

  - ☐ View Collaborations for Services listed for idea

    - ☐ Award a bid for a Services

- ☐ Close Idea once completed.

- ☐ Total Amount Requested, Amount Received by funding, Amount to be paid for each service for each Idea.

- ☐ Idea that are in the risk of completion.

- ☐ Created additional round of funding.

Use Case – Funders

- ☐ Logins and view Funders workspace
- ☐ View all Ideas and search based on category.
    - ☐ View Funding options
- ☐ Select a funding option.
    - ☐ Pay for funding based on amount of funding category.
- ☐ View List of all funding's done.

Use Case – Guest.

- ☐ Register as
    - ☐ Creator
    - ☐ Startup
    - ☐ Funder
- ☐ View all Ideas and search based on category.