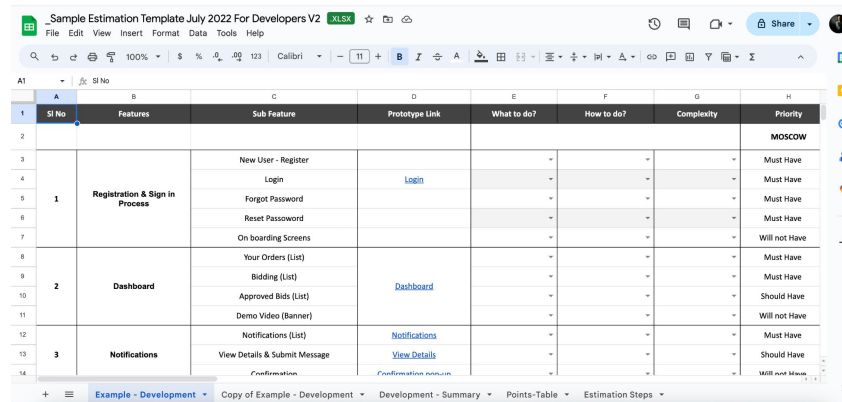# GeekyAnts

**Build. Accelerate. Scale.**

# AI Driven Project Estimation Builder

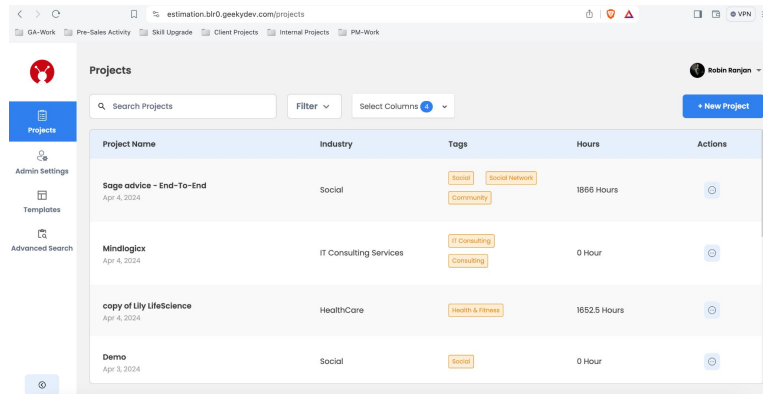a GeekLabs Experiment

# Why Estimation Builder ?

- **Efficiency:** Streamlines the estimation process into a few clicks.
- **Accuracy:** Reduces the risk of manual errors.
- **Accessibility:** Centralized tool accessible by all relevant team members.
- **Time-Saving:** Significantly reduces the time needed to prepare estimations and SOW documents.



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# Product Impact

- **Project Ballpark:** Submitted 150+ ballpark estimates.
- **Templates:** 12+ different industry module templates created so far.
- **Features & Bugs:** 32+ features & bugs worked upon and deployed in production.
- **Data Aggregation:** Almost all the data is streamlined based on cost, modules and project types.

# Research and Understand Product Requirement:

- Ensure thorough research and understanding of the requirement documents added by Sales team in attachment section.
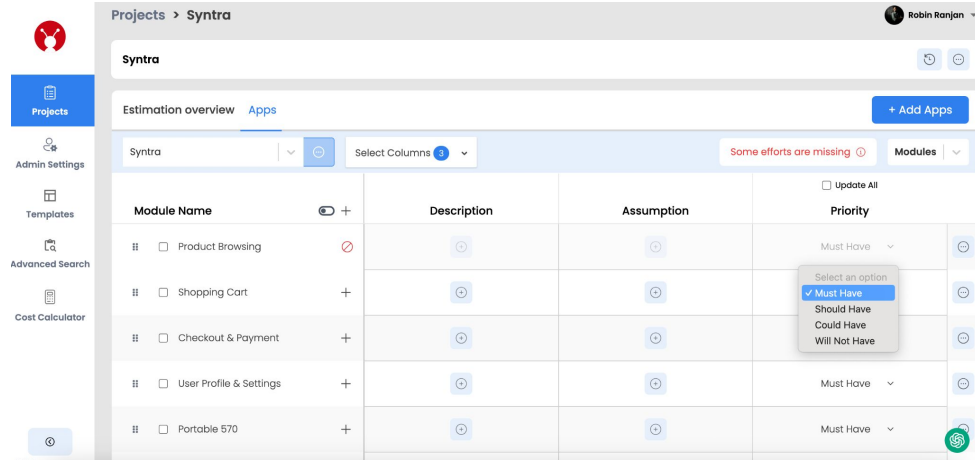
# Feature Listing:

- Adding Apps based on number of actors or systems.
- Adding Module, Task and Subtask based on the product understanding.

# Updating Description, Assumption, Priority:

- Utilize the "Description" , "Assumption", "Priority" columns for each added modules, tasks and subtasks.
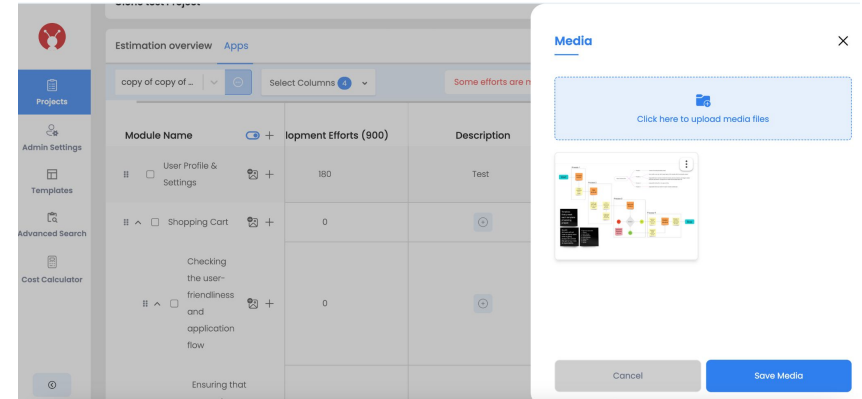
## Adding Media:

- Screen visualisation research using https://mobbin.com/ or other relevant tools.
- Adding media to each modules, tasks and subtasks.

# Add General Notes:

- Instead of using estimation channel, incorporate general notes in EB.
- These notes serve as valuable assumption pointers for the development process.

# Add Story Points for Actual Time:

- In the **Wireframe, Visual Design, Frontend, Integration & Backend sections**, assign story points to modules, tasks, or sub-tasks to estimate actual time required.
- Consider buffer time while assigning story points to accommodate unforeseen challenges or delays.

# Consider Team Size, Team Hours, Documentation, and Deployment:

- Take into account team size and hours required for Lead role.
- Address documentation needs and deployment requirements for each application.

**Team Size**

| Process | Team | No. Resource |
|---------|------|--------------|
| Frontend | SE | 2 |
| | SSE | 1 |
| Backend | SE | 1 |
| | SSE | 0 |
| UI/UX | UX DESIGN | 2 |

**Team Hours per Day**

| Team | Hr/Day |
|------|--------|
| BA | 3 |
| LEAD | 2 |
| QA | 4 |
| UI/UX BA | 2 |
| UI/UX LEAD | 2 |

**Project Management**

| Category | Sub category | Overall |
|----------|--------------|---------|
| Design | UI/UX Lead | 30 |
| | UI/UX Review | 27 |
| | Design (Wireframe + Visual Design) | 265.5 |
| | UI/UX BA | 30 |
| | UI/UX UAT | 30 |
| | UI/UX Documentation | 0 |
| | Sub Total | 382.5 |
| | Development (Web/Mobile + Backend) | 963.5 |
| | BA | 120 |
| Development | Development (Web/Mobile + Backend) | 963.5 |
| | BA | 120 |
| | QA | 160 |
| | UAT | 80 |
| | Lead | 80 |
| | Documentation | 40 |
| | Deployment | 40 |
| | Sub Total | 1483.5 |
| Overall | | 1866 |

**App Wise Phase Estimation**

| Application | Web/Mobile Hours | Backend Hours | Wireframe Hours | Visual Design Hours | Total |
|-------------|------------------|---------------|-----------------|---------------------|-------|

# Review the auto generated effort wise calculator:

- Cost gets updated as per the formula logic for max and min cost range.

- You can also manipulate the cost based on resource number and rate cost.

- Support 3 currency i.e. Rupees, Dollar and Pound.

| Category | Sub-Category | Estimation (Effort in hr) | Rate | Total Cost Min | Max |
|---|---|---|---|---|---|
| Design | UX/UI Lead | 200 | 35 | $7,000 | $7,700 |
| | WireFrame + Visual Design | 1591 | 22 | $35,000 | $38,500 |
| | Review+ UAT+Documentation | 359 | 22 | $7,900 | $8,690 |
| | UI/UX BA | 200 | 10 | $2,000 | $2,200 |
| | **Sub Total** | **2350** | **-** | **$51,900** | **$57,090** |
| Development | QA | 660 | 15 | $9,900 | $10,890 |
| | Lead | 330 | 35 | $11,550 | $12,710 |
| | Web/Mobile | 3900.5 | 22 | $85,810 | $94,390 |
| | BE | 207 | 22 | $4,550 | $5,010 |
| | UAT + Deployment | 410 | 22 | $9,020 | $9,920 |
| | BA | 495 | 10 | $4,950 | $5,450 |
| | **Sub Total** | **6002.5** | **-** | **$125,780** | **$138,370** |
| | **Total** | **8352.5** | **-** | **$177,680** | **$195,460** |

| Department | | | |
|---|---|---|---|
| Application | Rate Card (in USD) | Rate Card (in INR) | Rate Card (in GBP) |
| BA | 10 | 830 | 8 |
| Developer | 22 | 1826 | 17 |
| Lead | 35 | 2905 | 27 |
| QA | 15 | 1245 | 12 |
| UX/UI | 22 | 1826 | 17 |
| UX/UI Lead | 35 | 2905 | 27 |
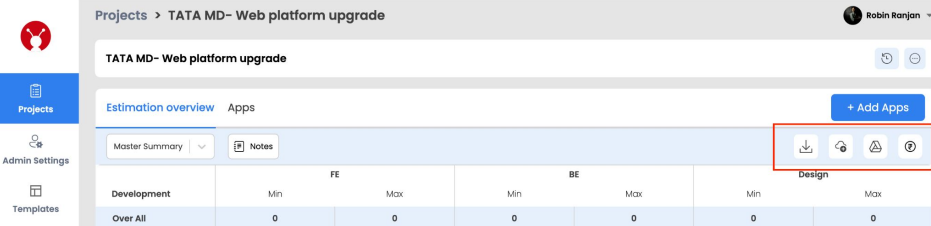
**Conversion Rates** (This shall only changed by Sales head )

| USD | INR | GBP |
|---|---|---|
| 1 | 83 | 0.78 |

**Complexity Factor**

| MIN | MAX |
|---|---|
| 1 | 1.1 |

# Project Drive Creation:

- There are 2 types of drive that gets created.

- Project Drive will consist feature list and efforts.

- Cost Drive will consist data related to cost.

- You can download the file into CSV format as well.

# Template Management:

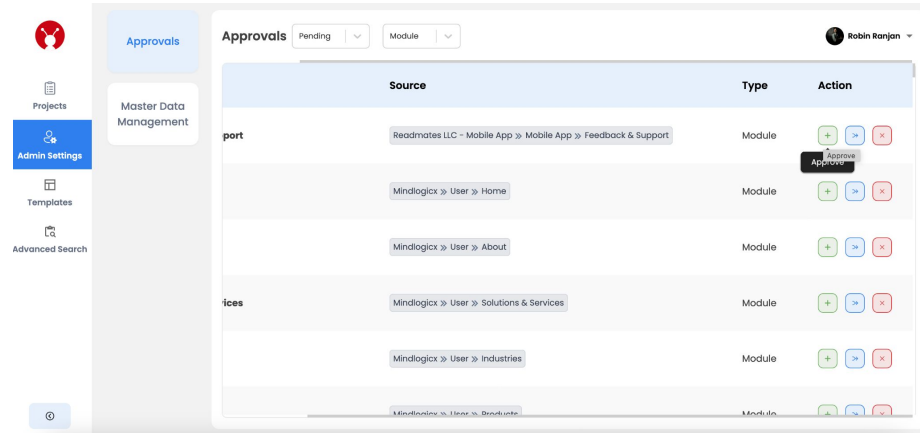- Adding the feature listing for converted projects with design screen's media file.

# Approval Management:

- Reviewing the newly added modules, tasks and subtasks.
- Performing actions such as approve, reject and merge with existing modules or tasks.
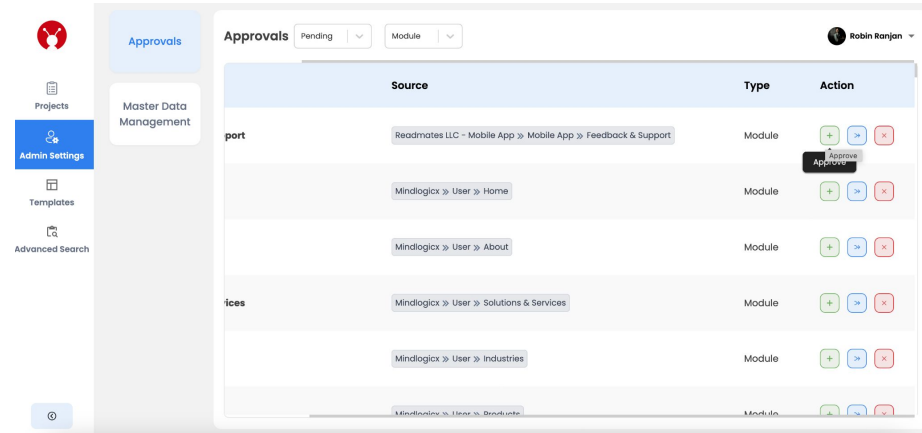
# Master Data Management:

- Reviewing the newly approved modules, tasks and subtasks.
- Performing CRUD and export / import functionality as per requirements.

# Cost Calculator

**Projects**

**Admin Settings**

**Templates**

**Advanced Search**

**Cost Calculator**

## Timeline

| TimeLine | weeks ▾ | |
|---|---|---|
| Development | 1 | 40 hr |
| Design | 1 | 40 hr |

## Team size

| Process | Team | NO. |
|---|---|---|
| Frontend | SE | 1 |
| | SSE | 1 |
| Backend | SE | 1 |
| | SSE | 1 |
| UI/UX | UX DESIGN | 1 |

## Team Hours

| Team | Hr/Day |
|---|---|
| BA | 4 |

## Cost Management

USD $ ▾

| Category | Sub-Category | Estimation | Rate ⊙ | Total Cost Min | Max |
|---|---|---|---|---|---|
| Development | Frontend | SE | 40 | 22 | $880 | $968 |
| | | SSE | 40 | 22 | $880 | $968 |
| | Backend | SE | 40 | 22 | $880 | $968 |
| | | SSE | 40 | 22 | $880 | $968 |
| | LEAD | 20 | 35 | $700 | $770 |
| | QA | 20 | 15 | $300 | $330 |
| | BA | 20 | 15 | $300 | $330 |
| | UAT + Deployment | 0 | 22 | $0 | $0 |
| | **Sub Total** | | | **$4,820** | **$5,302** |
| Design | UI/UX | 40 | 22 | $880 | $968 |
| | UI/UX LEAD | 20 | 35 | $700 | $770 |
| | UI/UX BA | 20 | 15 | $300 | $330 |

# Disable & Copy Feature

# Disable & Copy Feature

# Project Delete & Restore Feature

# Project Clone Feature

# Advance Search Screen Shot

# Audit Log Screen Shot

# AI Improvised

# Future Roadmap

- Work Flow Diagram for seamless Integration with Builder Studio and Estimation Builder.
- Process to integrate builder studio module from business perspective.
- Dashboard Screen in estimation builder related to analytics for trending projects, project conversion, industry, screenshots.
- Automated Sprint Planning, Gantt Chart and Mind-map generation.
- AI Chat Bot feature development.
- Jira board & Hubspot integration.



**GeekyAnts**

# Thank You!

GeekyAnts