

High Level Requirements

Requirement Area Scope:

Bestimator

High Level Requirements Document

Version 1.6

October 1, 2024

Project Identification

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Distribution

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Referenced Documents

This document refers to the following materials

Version number	Title	Author	Date	Source / Location
1.5	Project Vision Document	All Members	1/10/2024	Internal Document
N/A	How to create a context diagram with examples	Figma.com	27/09/2024	https://www.figma.com/resource-library/context-diagram/
N/A	Beyond Telecom: Business Context Diagram	moonchullee2	29/09/2024	https://moonchullee2.blogspot.com/2010/05/business-context-diagram.html

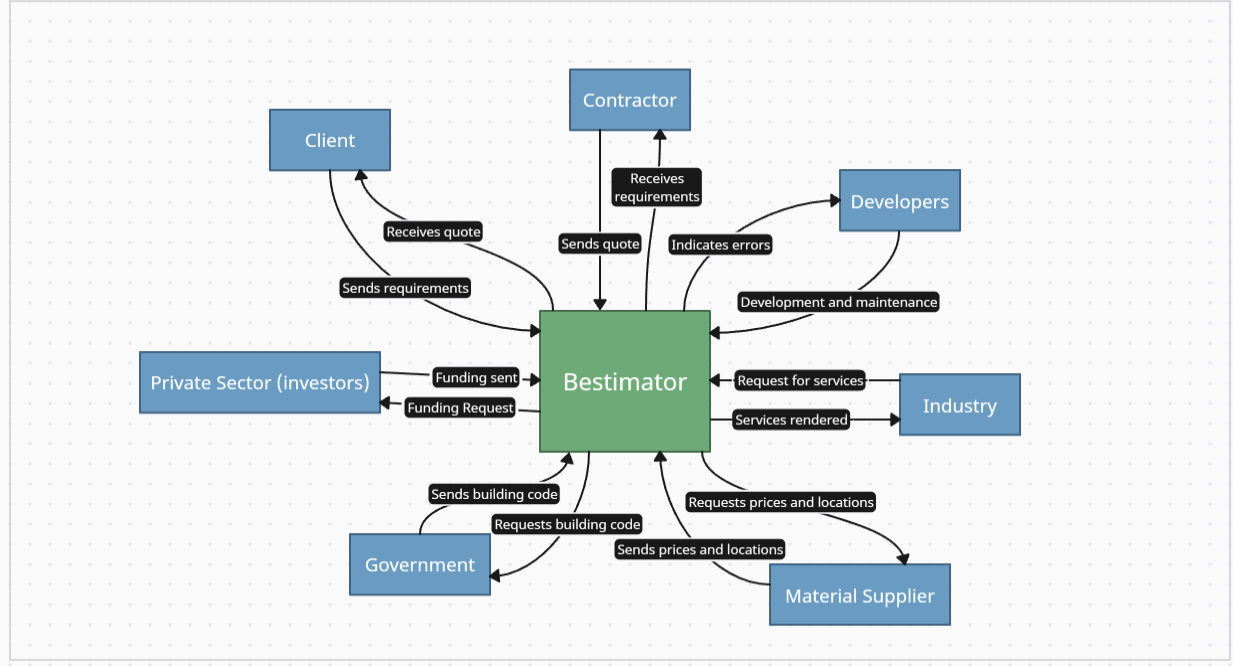
Revision History

Version Number	Revision Date	Summary of Changes	Modified by
1.2	22/09/2024	Information Flows implemented	All Members
1.3	24/09/2024	Requirement Scope, External Entities	All Members
1.4	26/09/2024	External Entities revised	Simon Kriksciunas
1.5	29/09/2024	Business Context Diagram, Definitions table, Information Flows updated	Justin Oskam, Simon Kriksciunas, Pablo Arango Gomez
1.6	1/10/2024	Updated Project Vision reference	Simon Kriksciunas

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Business Context Diagram



Requirement Scope Area	Description
Management	Allows for all-in-one material sourcing, pricing and calculating of job requirements.

External Entity	Description
Contractor	signed-in user with access to calculator, material locator, and estimation service
Client	recipient of emails and quotes from the contractor. Their vision and input dictates the size and requirements of a job.
Material Supplier	their prices and location is updated on the app via API. Lower price and/or convenient location will be more attractive to the planning contractor.
Developers	their planning, diligence and execution will result in an app that may be usable and helpful.
Industry	sets the standards and conventions for building jobs. New and improved practices boost safety and productivity.
Government	determines the code and regulations for building. Some regions have specific rules for building that must be adhered to.
Private Sector	funding may apply constraints on the decision making and direction of the app.

Information Flows	Description
User inputs job-specifics	dimensions, desired materials and job location are input by user
App sends back calculations to User	square footage/volume and the approximate amount of material needed is calculated
App makes search for nearest material supplier	App searches for the material suppliers within a x mile radius of a set position.
App sends User nearest suppliers and material costs	The app receives information pertaining to the material suppliers that are located within the radius, including materials, costs and address.
Client sends requirements	Client provides job requirements and relevant details to Bestimator application
Client receives custom estimate	Bestimator application provides client with estimate prepared and revised by contractor

Contractor sends estimate to Bestimator	Contractor submits their custom estimate to Bestimator
Government sends building code	Government sends any applicable building codes required for the project
Supplier sends prices and availability	Prices and availability for requested materials is provided by material supplier
Bestimator requests funding or grants from government	Funding request or grant application is sent to government
Government provides funding or grant	Bestimator receives funding or grant from government
Bestimator requests funding from private sector	Funding request is sent to private sector
Private sector provides funding	Bestimator receives funding from private sector

Requirements Scope Statements

HLR#	Description	Priority (H, M, L)
1.	Build a system to track materials in real time.	H
2.	Create a system for worker schedules, tracking and gas mileage.	M-L
3.	Provide a secure login feature for users.	H
4.	Make a dashboard for project updates.	M

5.	Optimize the closest route and cheapest materials to reduce waste and increase efficiency.	H
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High Level Business Requirements Sign-Off

The undersigned acknowledge their agreement with the contents of Version 1.3 of the High-Level Requirements document for Bestimator.

Following approval of this document, requirements changes will be governed by the project's change management process, including impact analysis and appropriate reviews and approvals, under the general control of the Project Plan and according to company policy. Approved Change Request Documents, if present, will be attached to this Requirements Document as updates.

Name	Project Role and Functional Area	Date Signed
Justin Oskam	Back-end Developer	October 1st, 2024
Onat Turan	Front-end Developer	October 1st, 2024
Benn Graham	Front-end Developer	October 1st, 2024
Simon Kriksciunas	Back-end Developer	October 1st, 2024

Pablo Arango Gomez	Back-end Developer	October 1st, 2024
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- *Note: physical signatures are not required. Email approvals are acceptable and should be appended to project documents.*