
Vision and Scope Document

for

Easy recycle

Version 1.0 approved

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Revision History

Name	Date	Reason For Changes	Version
oshipka	02.03	Initial version	1.0

1. Business Requirements

1.1. Background

There aren't many sites, that aren't associated with specific companies, that can provide all the necessary information on the topic of recycling. Furthermore, there are even less of these sites that are in Ukrainian, or at least bilingual.

1.2. Business Opportunity

The question of recycling is important on both individual and industrial scale. For the individuals it is more important to know how and where to properly dispose of their trash, and for industries it might be more necessary to be able to delegate the work of disposing of the trash to some third party. Our product will be more focused on the individual users, but might contain information useful for industries. There aren't many similar products that cater to multilingual users at the same time, so we intend to make our product accessible in at least three languages.

1.3. Business Objectives and Success Criteria

Project is not expected to return any profits. Project will be deemed successful if all the pages will be completed, user will be able to interact with them and no bugs can be observed.

1.4. Customer or Market Needs

Users that want to find information on recycling, want to be able to access all the necessary information on single website, and have that information be easy to access and understand. For easier understanding users will want to be able to access the information in the language they know best, so our product will aim to be multilingual, with at least three languages available.

1.5. Business Risks

The most severe risk right now is tight deadlines for development of the software combined with the size of developer team. These factors might affect quality of resulting product.

2. Vision of the Solution

2.1. Vision Statement

More people will be able to access information on recycling, and so individual impact from pollution will be decreased. For industrial clients it will be easier to contact firms that specialize in recycling industrial waste.

2.2. Major Features

1. Page regarding preparing items for recycling
2. Page containing locations where items are collected for recycling
3. User page for individual users with this user's recycling statistics
4. User page for industrial client containing information on this user's previous contracts with recycling companies
5. Page with information on contractors.
6. Each page will be accessible in at least three languages

2.3. Assumptions and Dependencies

1. Everyone will be alive and well until the end of development
2. React and Django will still be supported until the end of development
3. Nothing will interfere with the development of the project

3. Scope and Limitations

3.1. Scope of Initial Release

1. User pages and account management
2. Informational pages
 - a. Preparation
 - b. Locations
 - c. Contractors
3. Interactive educational page

3.2. Scope of Subsequent Releases

Fixes of major bugs that will become apparent after deployment

3.3. Limitations and Exclusions

1. Android/iOS app containing relevant information
2. Load balancing
3. Stop IE support

4. Business Context

4.1. Stakeholder Profiles

Dimension	Driver (state objective)	Constraint (state limits)	Degree of Freedom (state allowable range)
Schedule	release 1.0 to be available by 14/4, release 2.0 by 19/5	Link: milestones at https://github.com/Yuriy Lisovskiy/EasyRecycle/milestones?direction=asc&sort=due_date&state=open	Each step must be completed by date stated at milestones
Features	<ol style="list-style-type: none"> 1. Page regarding preparing items for recycling 2. Page containing locations where items are collected for recycling 3. User page for individual users with this user's recycling statistics 4. User page for industrial client containing information on this user's previous contracts with recycling companies 5. Page with information on contractors. 6. Each page will be accessible in at least three languages 	At least one page for each of main features, except the last one	60% of high priority features must be included in release 1.0
Quality	Automated tests (api/ui) Unit tests Integration tests Code coverage Tests in form of test cases, checklists, test procedures	As stated in milestones	Around 70% coverage (+- 5%)
Staff		maximum team size is 2	
Cost		Budget is \$0	budget overrun up to 15% acceptable without executive review

4.3. Operating Environment

- Mainly Europe, 4 timezones
- Mostly daytime, 8 GMT-16 GMT
- Data will be generated in a single location

- Response time should not be longer than 3 seconds
- Service interruptions are tolerable
- Password hashing, user roles