

Software requirement specification (SRS) document template

Project name: Makers Space

Date:

Version:

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Revision history

Version	Author	Verson description	Date completed

Review history

Approving party	Version approved	Signature	Date

Approval history

Reviewer	Version reviewed	Signature	Date

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1 Introduction

Describe the purpose of the document.

1.1 Product scope

List the benefits, objectives, and goals of the product.

For students to be able to be clear to see if the maker space is open/closed. Reserve machines and have admins manage the size

1.2 Product value

Describe how the audience will find value in the product.

User friendly, ease of access to use the makers

1.3 Intended audience

Write who the product is intended to serve.

Students, Professors, Student Workers

1.4 Intended use

Describe how will the intended audience use this product.

Scheduling, reservations, and tracking for the maker space

1.5 General description

Give a summary of the functions the software would perform and the features to be included.

HTML, CSS, Django, Python, JS, Web applications

2 Functional requirements

List the design requirements, graphics requirements, operating system requirements, and constraints of the product.

Profile setup (username / password), Login Page, Available on all devices, device availability, employee scheduling, Multi space open/close, emergency notification, Multi space info section, instructions and descriptions for devices,

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External interface requirements

3.1 User interface requirements

Describe the logic behind the interactions between the users and the software (screen layouts, style guides, etc).

3.2 Hardware interface requirements

List the supported devices the software is intended to run on, the network requirements, and the communication protocols to be used.

3.3 Software interface requirements

Include the connections between your product and other software components, including frontend/backend framework, libraries, etc.

3.4 Communication interface requirements

List any requirements for the communication programs your product will use, like emails or embedded forms.

4 Non-functional requirements

4.1 Security

Include any privacy and data protection regulations that should be adhered to.

4.2 Capacity

Describe the current and future storage needs of your software.

4.3 Compatibility

List the minimum hardware requirements for your software.

4.4 Reliability

Calculate what the critical failure time of your product would be under normal usage.

4.5 Scalability

Calculate the highest workloads under which your software will still perform as expected.

4.6 Maintainability

Describe how continuous integration should be used to deploy features and bug fixes quickly.

4.7 Usability

Describe how easy it should be for end-users to use your software.

4.8 Other

List any additional non-functional requirements.

5 Definitions and acronyms