Solutions Hub

Prepared by Vladimir Zatsepin zatsepin.vl@gmail.com

Introduction

Software engineers build and implement different solutions every day. Many of those solutions are reinvented many times in different projects. There are several reasons for that like different contexts, projects specific use cases, etc. Although reinventing is a not a problem itself, the effort that engineers need to take in order to achieve the idea or concept of a solution, find the right library or framework, or at least create the appropriate mind map of technology keywords is a problem. Furthermore, some solutions include project specific information that cannot be shared in public like on GitHub or Medium. Hence, there is a clear need to the solution that helps software develops to share their ideas and finds within their company for others to decrease the solution implementation effort.

Atlassian Confluence product seems the right solutions for the problem, but in reality, it's too heavy and overcomplicated for quick idea sharing that makes it's not the best fitting tool.

Problem

Solutions Hub is a self-hosted application that aimed to solve the following problems within a software developing company:

1. Lack of general company knowledge base.
2. Lack of cross project solutions/ideas/knowledge sharing.
3. Lack of solution feedback from other colleagues.
4. Need to share knowledge in chats like Skype or Slack where it's almost impossible to find later.

To do that, Solutions Hub provides the following functionality:

1. Ability to quickly publish and share solution written in markdown format.
    a. Ability to upload existing solution in Word file (docx) and convert it into markdown including media files.
2. Ability to quickly search solution.
3. Ability to praise and being praised for solution.
4. Ability to quickly get into contact with solution contributor.
5. Integration with existing organization's back office system (like PM).

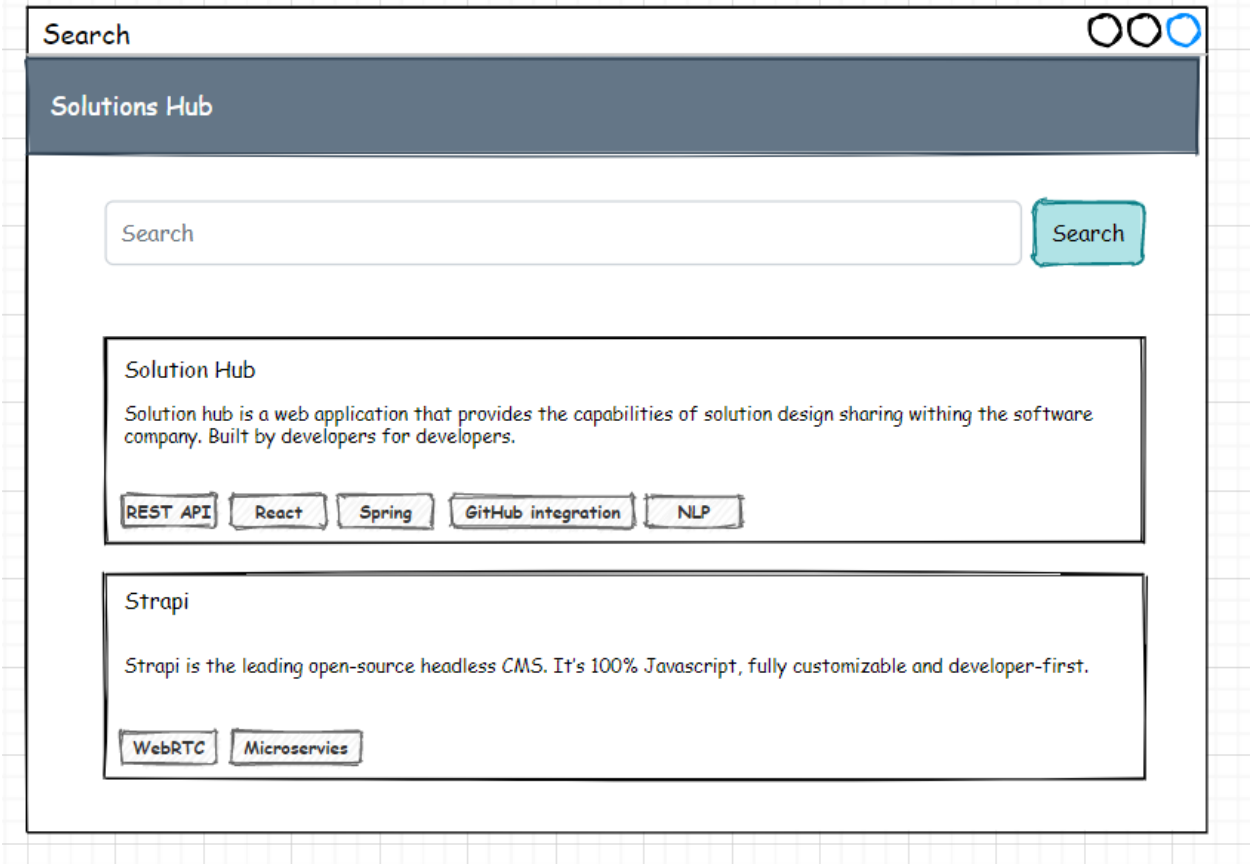
Solution

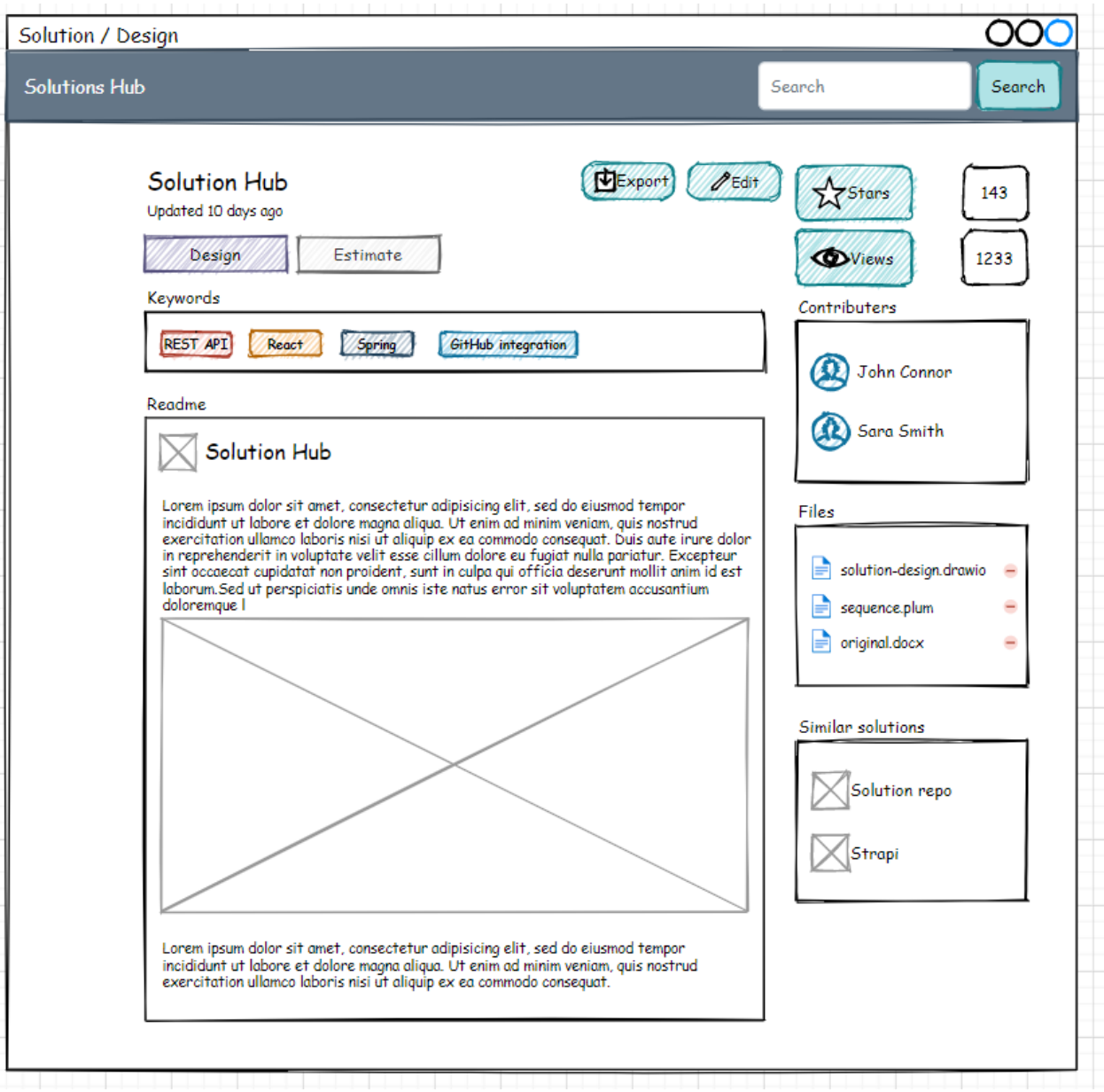
Inspired by GitHub and Helm Artifact Hub.

UX

Page	**Components**	**Actions**
Main page	Search input, solutions list	Search solutions by name, keywords, content

Solution design	Solution design	Export solution, edit solution (by contributor only)




Solution / Design
Solutions Hub
Search
Search
Solution Hub
Updated 10 days ago
Export
Edit
Stars
143
Views
1233
Design
Estimate
Keywords
REST API
React
Spring
GitHub integration
Contributers
John Connor
Sara Smith
Readme
Solution Hub
Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque l
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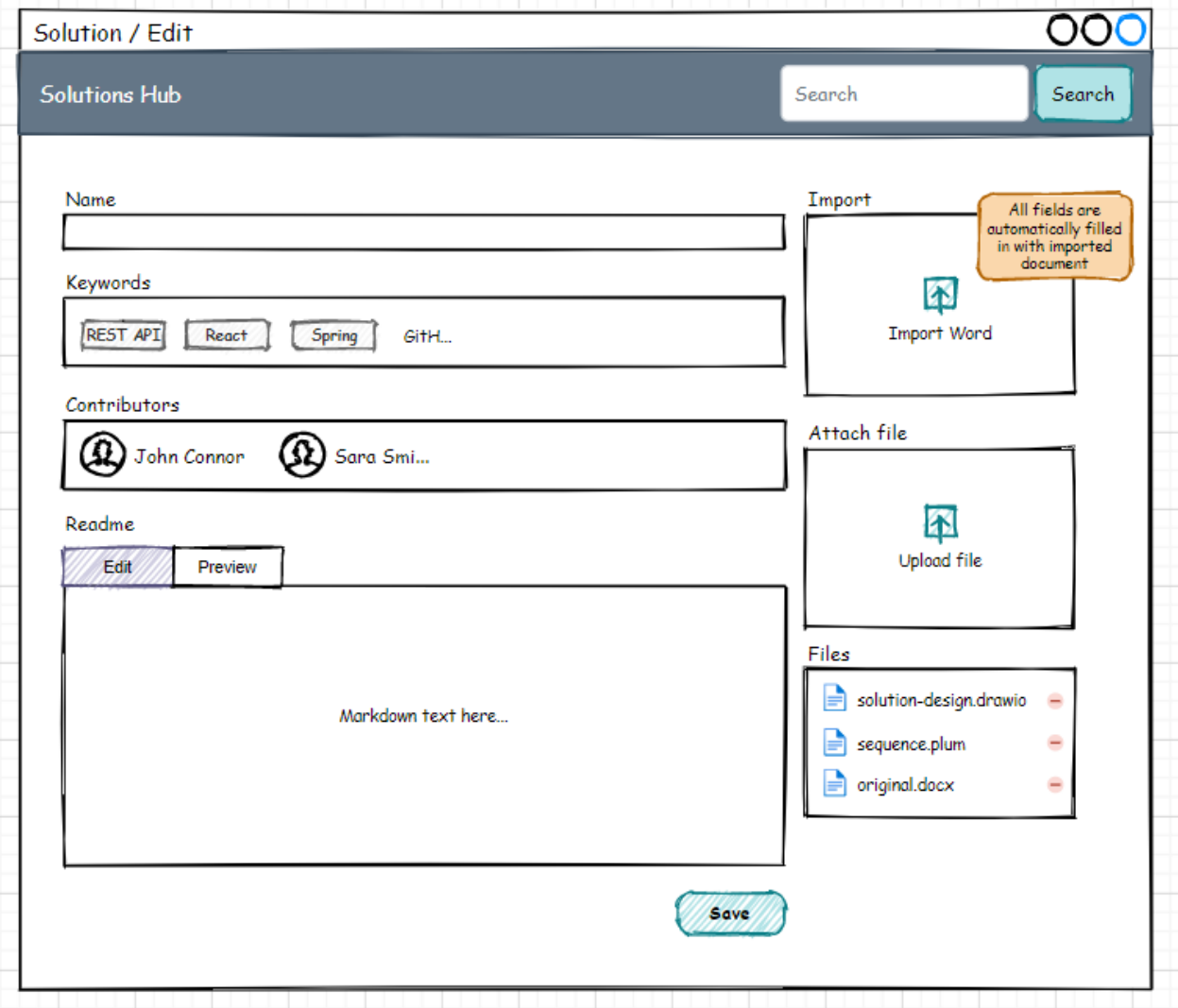
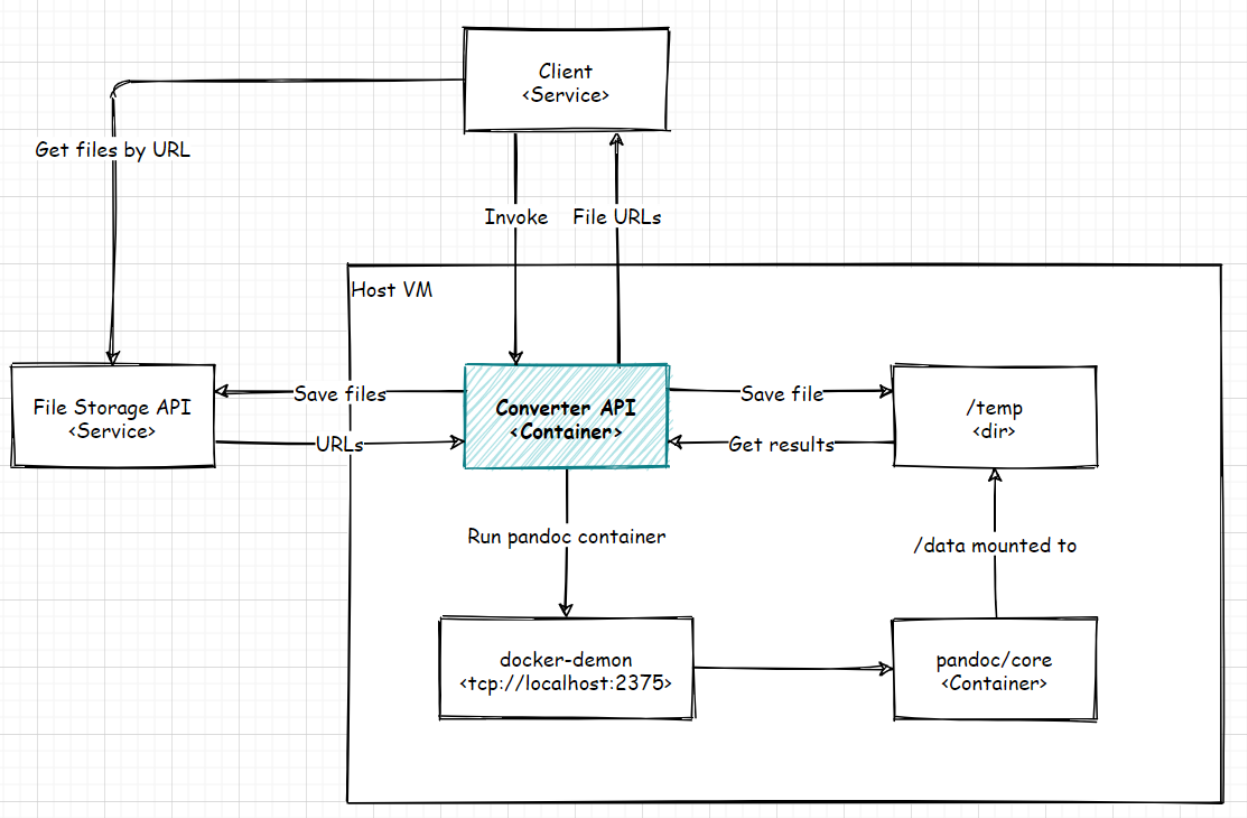
Files
solution-design.drawio
sequence.plum
original.docx
Similar solutions
Solution repo
Strapi



Markdown Converter


Client
<Service>
Get files by URL
Invoke
File URLs
Host VM
File Storage API
<Service>
Save files
URLs
Converter API
<Container>
Save file
Get results
/temp
<dir>
Run pandoc container
/data mounted to
docker-demon
<tcp://localhost:2375>
pandoc/core
<Container>