

Bjarki Hall, 070693-2169 (bjh27@hi.is)

Daníel Adolfsson, 240991-2099 (daa11@hi.is)

Jianfei Zheng, 300994-3699 (jiz2@hi.is)

Ríkharður Bjarni Einarsson, 170496-3379 (rbe3@hi.is)

The logo for SoundUp features the word "SoundUp" in a white serif font. The "Up" is positioned slightly higher than "Sound". A large, solid blue arrow points upwards from behind the text, starting from the bottom of the "Up" and extending towards the top of the slide.

Sound file storage solution

By: Group 26

Which consists of:

Bjarki Hall, Daníel Adolfsson, Jianfei Zheng & Ríkharður Bjarni Einarsson

#1 - Product: What does our system do?

Most of the focus in multimedia on the web is through images and videos.

Soundup brings sound to the social media by giving the users a chance to:

Upload, play, share and browse for a sound

Create an account for further features

The key use cases are uploading and playing the sounds.

Lets take a look at a demo we prepared for those :)

#2 - Architecture: How does our product work?

Our product's architecture and key decisions are based on other uploading sites

We used Maven for build automation, Github for version control, PostgreSQL for DB

The implementation is based around the Spring.io MVC framework

For CSS we mainly depend on Bootstrap and for JS we use the jQuery library

View is generated by JSP (JavaServer Pages) but the architecture is based on templating and reusable blocks like done in Jade

The basic functionality and database connection is based on Daniel's demo project

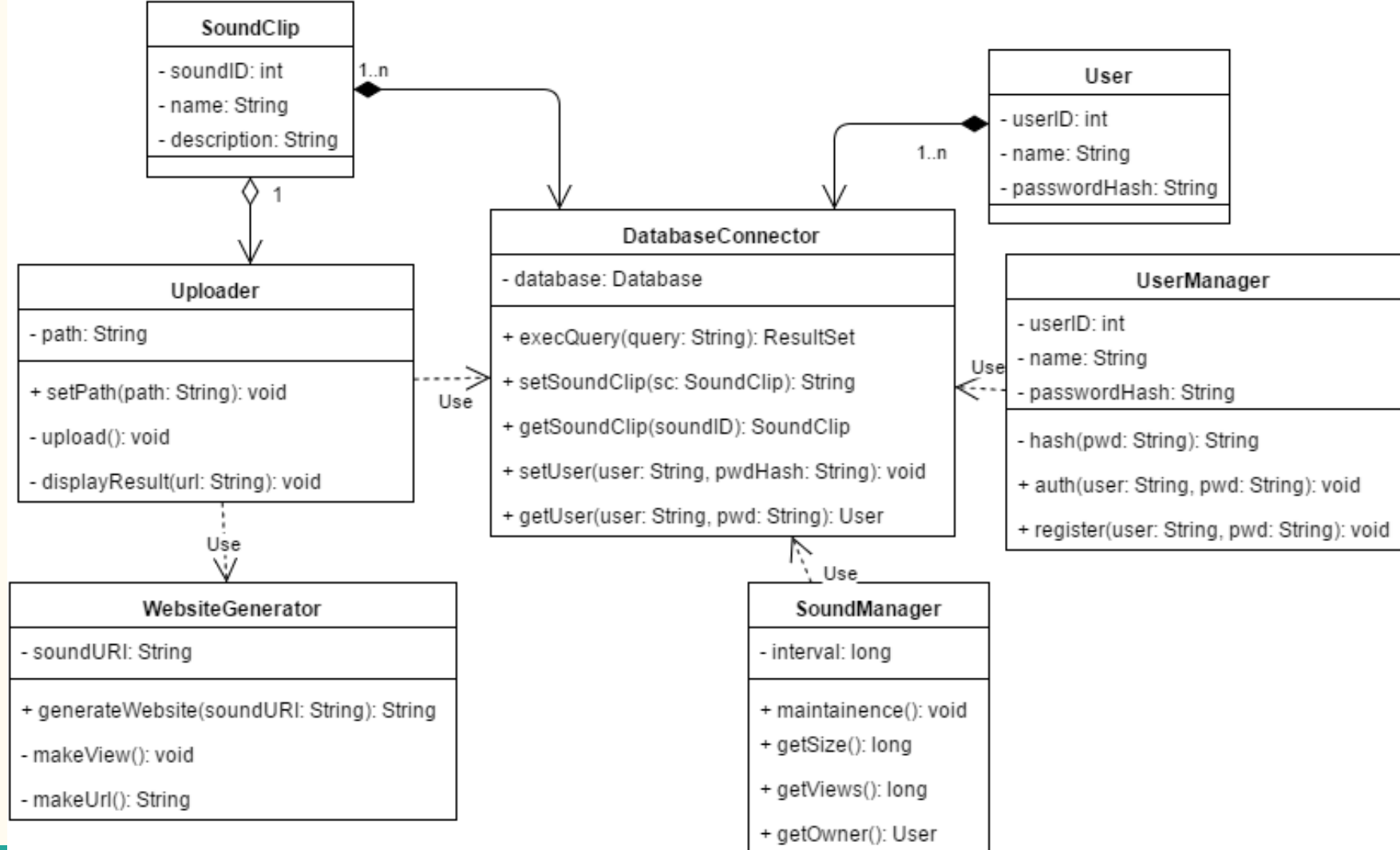
Reasons

We used the core framework because it was used in the demos in the course

Nice to be able to ask the teachers about the framework

MVC works great for keeping the structure of the software organized

Additional tool choices are heavily inspired by the Web Programming course in HI



#3 - Process: How did we build the system?

As the course is built up:

Tried to come up with ideas,
made a Vision & Scope and Use Case document,
made a Domain Model and a basic architecture structure,
made a Design Model
and finally started writing the code itself.

BUILD

Based on Daniel's example

Team's prior experience with web dev.

CHALLENGES

The setup itself was a challenge

New framework and concepts

Time

Creative differences