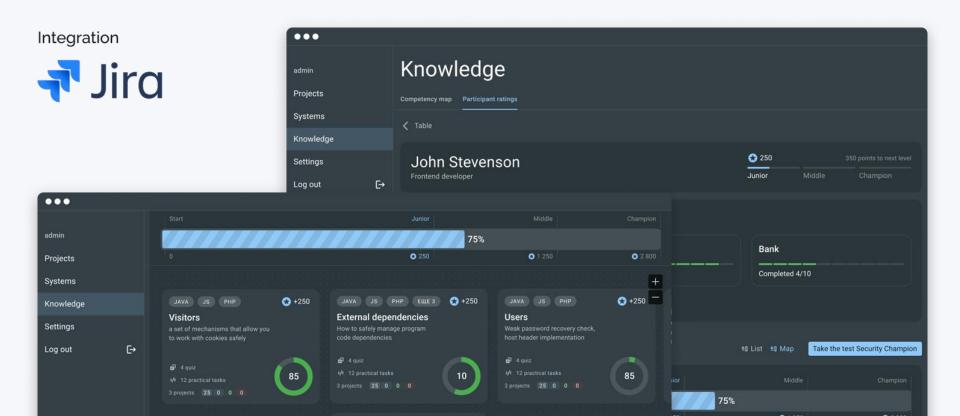
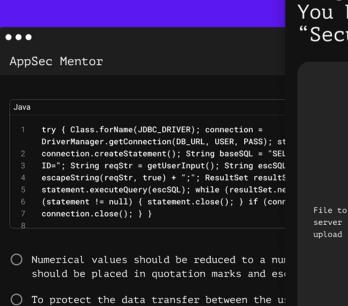
# A platform to teach teams how to securely develop and operate products



## **AppSec Mentor** — secure code training platform for product teams



#### Step zero: Identify your security champions



AppSec Mentor

Congratulations!
You have solved all use cases and passed the "Security Champion" test

John Stevenson

Visitors

Junior Middle Champion

Visitors

Databases

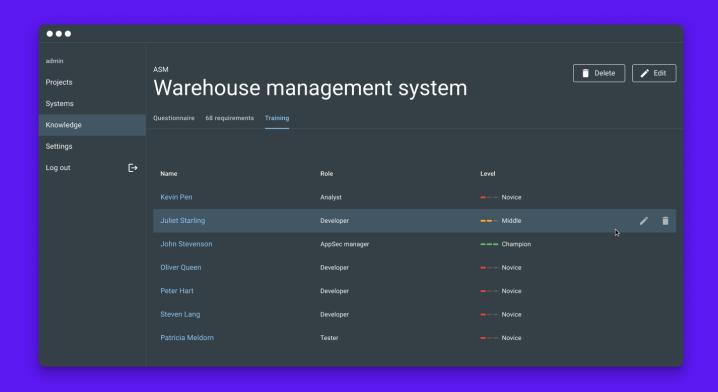
External dependencies

Output data to browser

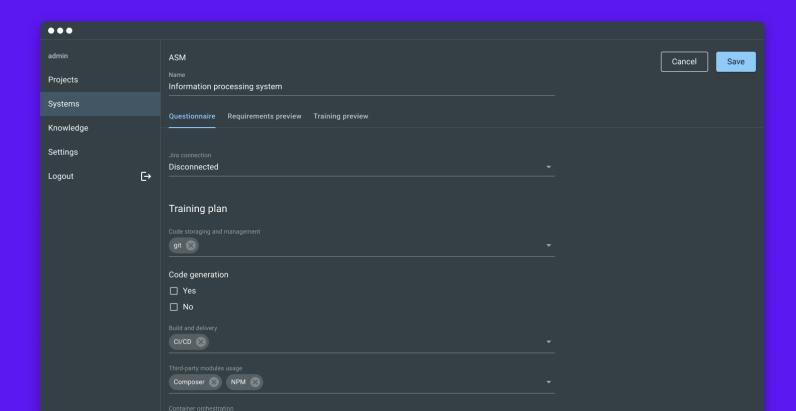
Files to server upload

Databases

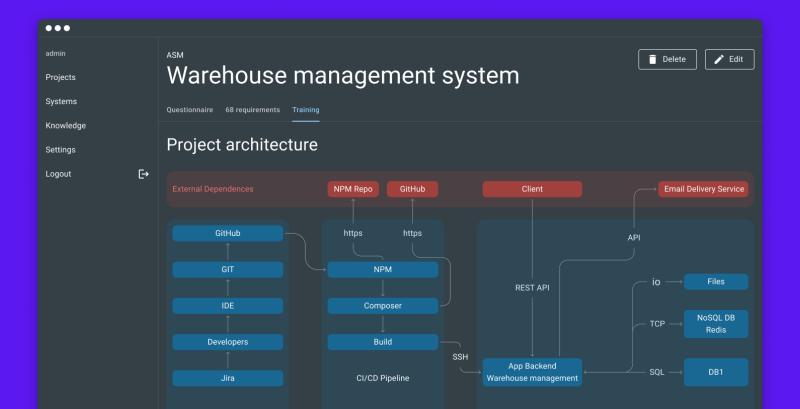
## Step 1: Assemble your project team and establish a knowledge baseline



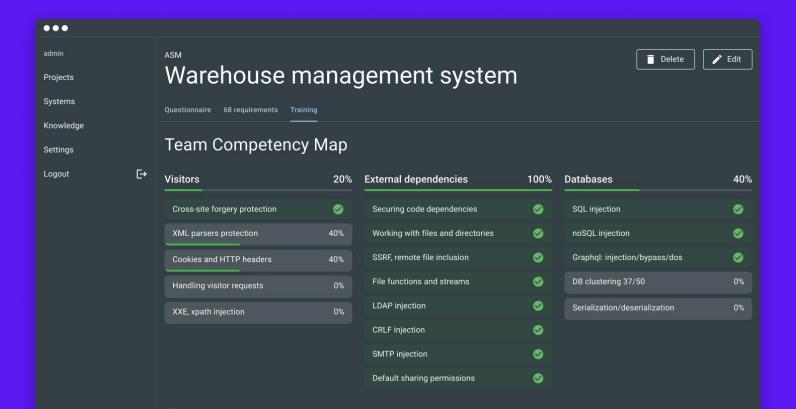
## **Step 2. Define application features and contexts**



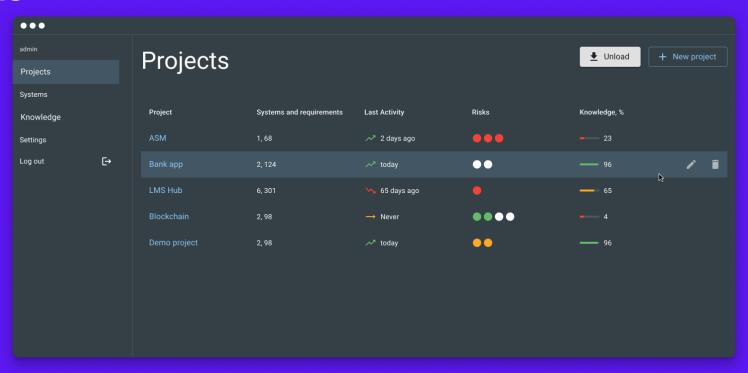
#### Step 3. Result: project architecture



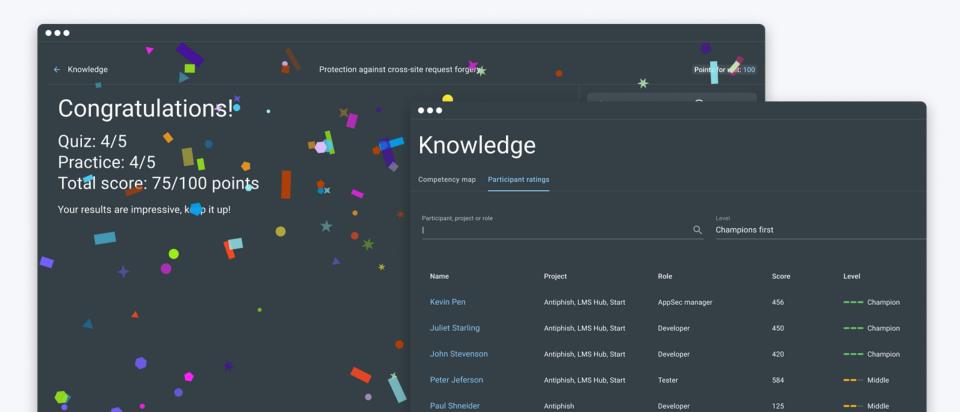
## Step 4. Training modules are automatically selected for each context



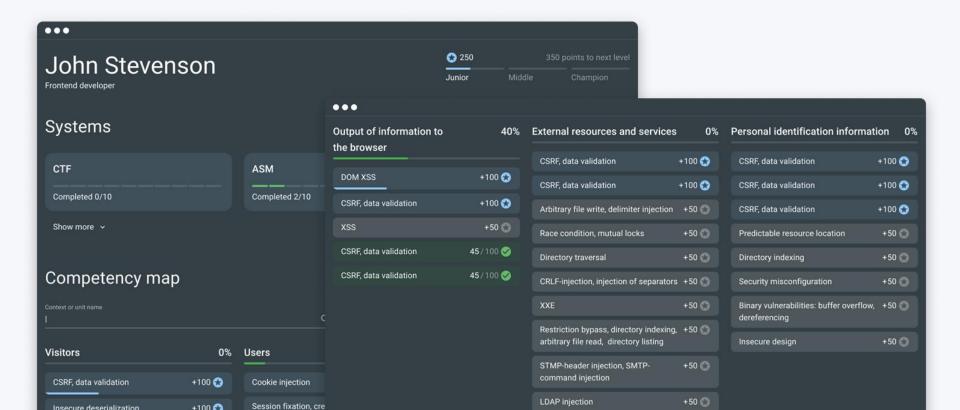
## Step 5. Result: clear training plan within the context of the project and the product teams



#### **Motivation**

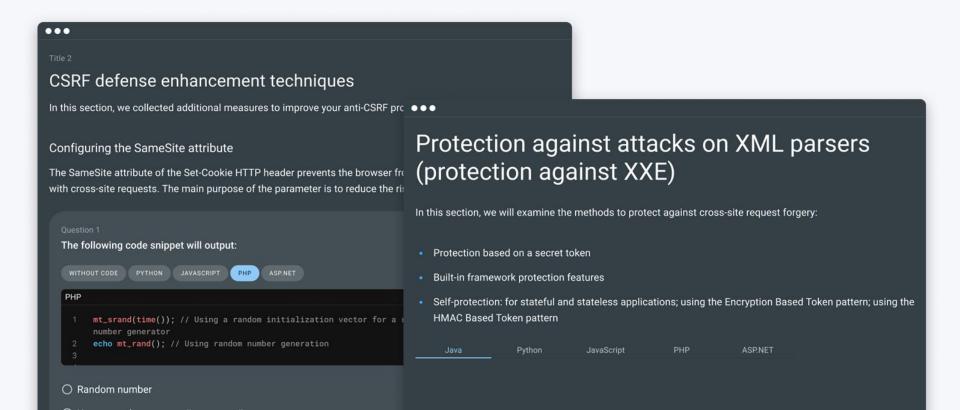


#### Personal competency map

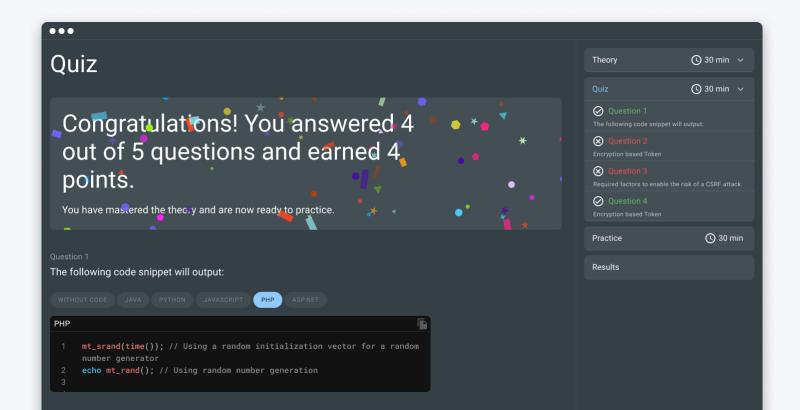


#### Theory and code samples

Employees gain access to hands-on training modules



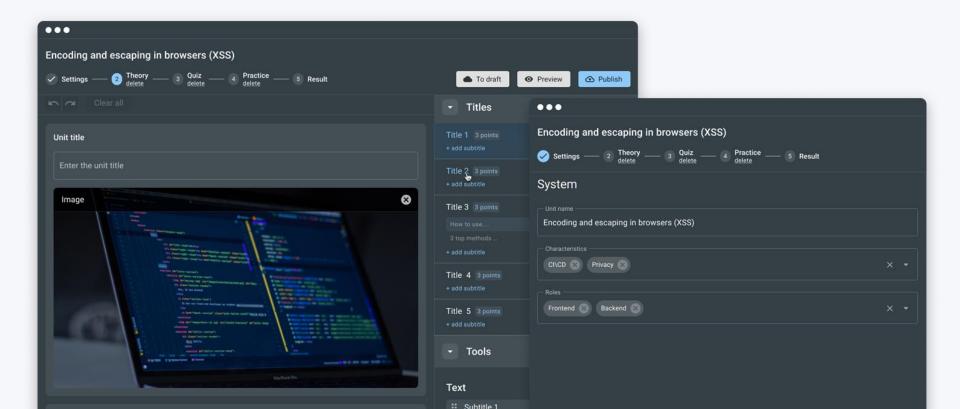
#### Quiz based on real cases



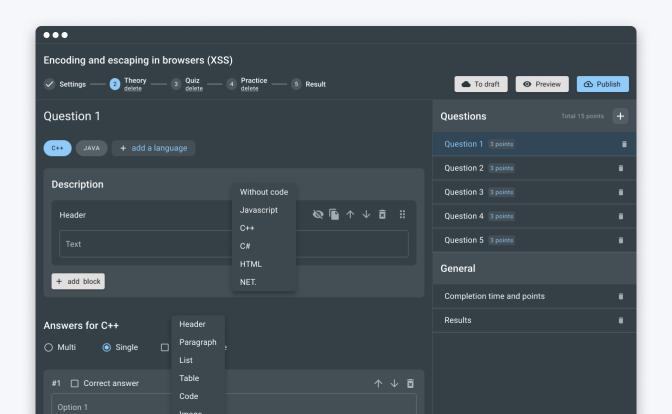
#### **Code review practice**



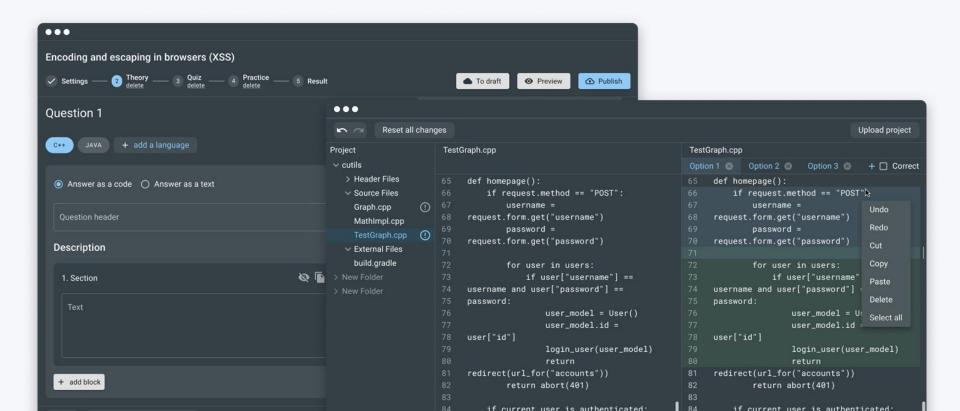
#### **Course Creator, Theory**



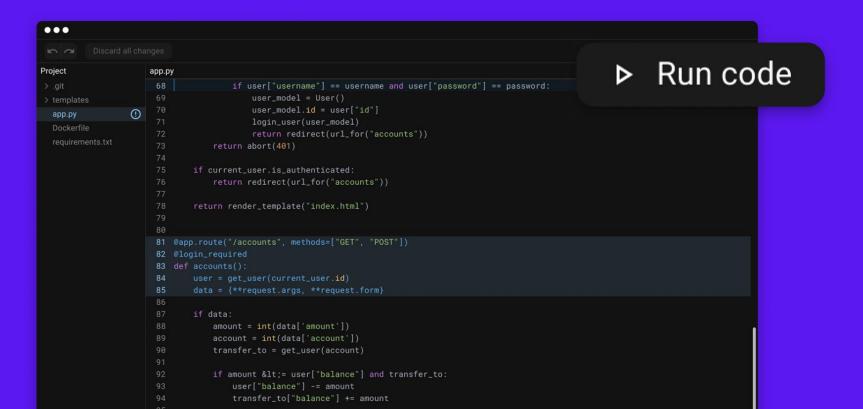
#### **Course Creator, Quiz**



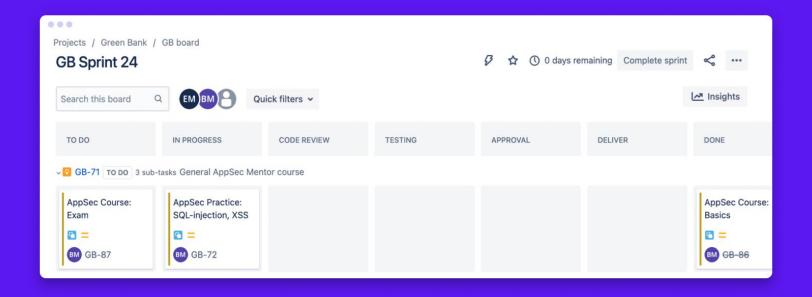
#### **Course Creator, Practice**



#### **Coming Soon — Practicing writing code**



## Coming Soon — Training tasks delivered to a single task management environment



### Everything your developers need to know to write secure code

- Protection against cross-site request forgery (CSRF)
- Protection against attacks on XML parsers (protection against XXE)
- Encoding and escaping when working with browsers (XSS)

- Path Manipulation
- Secure work with dependencies in the code
- Working with SQL
- Insecure Direct Object Reference

- Secure Kubernetes Setup
- Working with Cookies and HTTP headers
- Processing of input data
- Working with secrets (passwords, keys, tokens)

## Convenient practical training in different programming languages

#### **Programming languages**

Java Python PHP SQL C# Go HTML Javascript

#### Average completion time

Theory Quiz Practice
30-60 minutes 10-15 minutes 5-8 questions

#### How does AppSec Mentor differ from traditional courses



#### Automatic training customization

Testing developer skills, automatic training modules selections for the specific project and level of developer experience (within the context of information security).



## Training recommendations according to the project map

Create a project map based on project parameters (contexts-situations), with linked vulnerability categories and recommended training modules.



#### Employee competency map

Build a competency map for each employee

#### **Journey**

