

# Semgrep Scan Report

Generated from: app/repositories/juice-shop/semgrep-report.json

## Detected Issues:

File: app/repositories/juice-shop/data/static/codefixes/dbSchemaChallenge\_1.ts

Line: 5

Description: Detected a sequelize statement that is tainted by user-input. This could lead to SQL injection if the variable is not properly sanitized.

File: app/repositories/juice-shop/data/static/codefixes/dbSchemaChallenge\_1.ts

Line: 5

Description: Detected user input used to manually construct a SQL string. This is usually bad practice because manual string concatenation is error-prone and can lead to SQL injection.

File: app/repositories/juice-shop/data/static/codefixes/dbSchemaChallenge\_3.ts

Line: 11

Description: Detected a sequelize statement that is tainted by user-input. This could lead to SQL injection if the variable is not properly sanitized.

File: app/repositories/juice-shop/data/static/codefixes/dbSchemaChallenge\_3.ts

Line: 11

Description: Detected user input used to manually construct a SQL string. This is usually bad practice because manual string concatenation is error-prone and can lead to SQL injection.

File: app/repositories/juice-shop/data/static/codefixes/restfulXssChallenge\_2.ts

Line: 59

Description: Detected a call to `replaceAll()` in an attempt to HTML escape the string `tableData[i].description`. Manual string manipulation is error-prone and can lead to XSS.

File: app/repositories/juice-shop/data/static/codefixes/restfulXssChallenge\_2.ts

Line: 59

Description: Detected a call to `replaceAll()` in an attempt to HTML escape the string `tableData[i].description.replace`. Manual string manipulation is error-prone and can lead to XSS.

File: app/repositories/juice-shop/data/static/codefixes/unionSqlInjectionChallenge\_1.ts

Line: 6

Description: Detected a sequelize statement that is tainted by user-input. This could lead to SQL injection if the variable is not properly sanitized.

File: app/repositories/juice-shop/data/static/codefixes/unionSqlInjectionChallenge\_1.ts

Line: 6

Description: Detected user input used to manually construct a SQL string. This is usually bad practice because manual string concatenation is error-prone and can lead to SQL injection.

File: app/repositories/juice-shop/data/static/codefixes/unionSqlInjectionChallenge\_3.ts

Line: 10

Description: Detected a sequelize statement that is tainted by user-input. This could lead to SQL injection if the variable is not properly sanitized.

File: app/repositories/juice-shop/data/static/codefixes/unionSqlInjectionChallenge\_3.ts

Line: 10

Description: Detected user input used to manually construct a SQL string. This is usually bad practice because manual string concatenation is error-prone and can lead to SQL injection.

File: app/repositories/juice-shop/data/static/users.yml

Line: 150

Description: Generic Secret detected

File: app/repositories/juice-shop/data/staticData.ts

Line: 7

Description: Detected possible user input going into a `path.join` or `path.resolve` function. This could possibly lead

File: app/repositories/juice-shop/frontend/src/app/app.guard.spec.ts

Line: 40

Description: JWT token detected

File: app/repositories/juice-shop/frontend/src/app/last-login-ip/last-login-ip.component.spec.ts

Line: 50

Description: JWT token detected

File: app/repositories/juice-shop/frontend/src/app/last-login-ip/last-login-ip.component.spec.ts

Line: 56

Description: JWT token detected

File: app/repositories/juice-shop/frontend/src/hacking-instructor/helpers/helpers.ts

Line: 38

Description: Possibility of prototype polluting function detected. By adding or modifying attributes of an object prototy

File: app/repositories/juice-shop/frontend/src/hacking-instructor/index.ts

Line: 111

Description: User controlled data in methods like `innerHTML`, `outerHTML` or `document.write` is an anti-pattern th

File: app/repositories/juice-shop/frontend/src/index.html

Line: 14

Description: This tag is missing an 'integrity' subresource integrity attribute. The 'integrity' attribute allows for the bro

File: app/repositories/juice-shop/frontend/src/index.html

Line: 15

Description: This tag is missing an 'integrity' subresource integrity attribute. The 'integrity' attribute allows for the bro

File: app/repositories/juice-shop/frontend/src/index.html

Line: 16

Description: This tag is missing an 'integrity' subresource integrity attribute. The 'integrity' attribute allows for the bro

File: app/repositories/juice-shop/gilteaks-report.json

Line: 148

Description: JWT token detected

File: app/repositories/juice-shop/gilteaks-report.json

Line: 149

Description: JWT token detected

File: app/repositories/juice-shop/gilteaks-report.json

Line: 168

Description: JWT token detected

File: app/repositories/juice-shop/gilteaks-report.json

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File: app/repositories/juice-shop/gilteaks-report.json

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Description: Generic Secret detected

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File: app/repositories/juice-shop/lib/codingChallenges.ts

Line: 24

Description: Detected possible user input going into a `path.join` or `path.resolve` function. This could possibly lead

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Line: 76

Description: RegExp() called with a `challengeKey` function argument, this might allow an attacker to cause a Regul

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Line: 78

Description: RegExp() called with a `challengeKey` function argument, this might allow an attacker to cause a Regular Expression Denial of Service (ReDoS) attack.

File: app/repositories/juice-shop/lib/insecurity.ts

Line: 44

Description: Detected a hardcoded hmac key. Avoid hardcoding secrets and consider using an alternate option such as environment variables.

File: app/repositories/juice-shop/lib/insecurity.ts

Line: 56

Description: A hard-coded credential was detected. It is not recommended to store credentials in source-code, as this is a security risk.

File: app/repositories/juice-shop/lib/insecurity.ts

Line: 152

Description: Detected a hardcoded hmac key. Avoid hardcoding secrets and consider using an alternate option such as environment variables.

File: app/repositories/juice-shop/lib/startup/restoreOverwrittenFilesWithOriginals.ts

Line: 28

Description: Detected possible user input going into a `path.join` or `path.resolve` function. This could possibly lead to a path traversal attack.

File: app/repositories/juice-shop/lib/startup/validatePreconditions.ts

Line: 120

Description: Detected possible user input going into a `path.join` or `path.resolve` function. This could possibly lead to a path traversal attack.

File: app/repositories/juice-shop/routes/b2bOrder.ts

Line: 22

Description: Detected usage of the `notevil` package, which is unmaintained and has vulnerabilities. Using any sort of package that is not actively maintained is a security risk.

File: app/repositories/juice-shop/routes/captcha.ts

Line: 23

Description: Detected the use of eval(). eval() can be dangerous if used to evaluate dynamic content. If this content is user input, it could lead to a code execution attack.

File: app/repositories/juice-shop/routes/chatbot.ts

Line: 198

Description: User data flows into the host portion of this manually-constructed HTML. This can introduce a Cross-Site Scripting (XSS) attack.

File: app/repositories/juice-shop/routes/dataErasure.ts

Line: 69

Description: Possible writing outside of the destination, make sure that the target path is nested in the intended destination.

File: app/repositories/juice-shop/routes/dataErasure.ts

Line: 69

Description: Detected possible user input going into a `path.join` or `path.resolve` function. This could possibly lead to a path traversal attack.

File: app/repositories/juice-shop/routes/fileServer.ts

Line: 33

Description: The application processes user-input, this is passed to res.sendFile which can allow an attacker to arbitrage the file system.

File: app/repositories/juice-shop/routes/fileServer.ts

Line: 33

Description: Detected possible user input going into a `path.join` or `path.resolve` function. This could possibly lead

File: app/repositories/juice-shop/routes/fileUpload.ts

Line: 29

Description: Detected possible user input going into a `path.join` or `path.resolve` function. This could possibly lead

File: app/repositories/juice-shop/routes/fileUpload.ts

Line: 39

Description: Detected possible user input going into a `path.join` or `path.resolve` function. This could possibly lead

File: app/repositories/juice-shop/routes/fileUpload.ts

Line: 80

Description: Detected use of `parseXml()` function with the `noent` field set to `true`. This can lead to an XML External

File: app/repositories/juice-shop/routes/keyServer.ts

Line: 14

Description: The application processes user-input, this is passed to `res.sendFile` which can allow an attacker to arbit

File: app/repositories/juice-shop/routes/keyServer.ts

Line: 14

Description: Possible writing outside of the destination, make sure that the target path is nested in the intended desti

File: app/repositories/juice-shop/routes/keyServer.ts

Line: 14

Description: Detected possible user input going into a `path.join` or `path.resolve` function. This could possibly lead

File: app/repositories/juice-shop/routes/logfileServer.ts

Line: 14

Description: The application processes user-input, this is passed to `res.sendFile` which can allow an attacker to arbit

File: app/repositories/juice-shop/routes/logfileServer.ts

Line: 14

Description: Possible writing outside of the destination, make sure that the target path is nested in the intended desti

File: app/repositories/juice-shop/routes/logfileServer.ts

Line: 14

Description: Detected possible user input going into a `path.join` or `path.resolve` function. This could possibly lead

File: app/repositories/juice-shop/routes/login.ts

Line: 36

Description: Detected a sequelize statement that is tainted by user-input. This could lead to SQL injection if the varia

File: app/repositories/juice-shop/routes/login.ts

Line: 36

Description: Detected user input used to manually construct a SQL string. This is usually bad practice because man

File: app/repositories/juice-shop/routes/order.ts

Line: 45

Description: Detected possible user input going into a `path.join` or `path.resolve` function. This could possibly lead

File: app/repositories/juice-shop/routes/profileImageUrlUpload.ts

Line: 23

Description: The following request request.get() was found to be crafted from user-input `req` which can lead to Serv

File: app/repositories/juice-shop/routes/quarantineServer.ts

Line: 14

Description: The application processes user-input, this is passed to res.sendFile which can allow an attacker to arbit

File: app/repositories/juice-shop/routes/quarantineServer.ts

Line: 14

Description: Possible writing outside of the destination, make sure that the target path is nested in the intended desti

File: app/repositories/juice-shop/routes/quarantineServer.ts

Line: 14

Description: Detected possible user input going into a `path.join` or `path.resolve` function. This could possibly lead

File: app/repositories/juice-shop/routes/redirect.ts

Line: 19

Description: The application redirects to a URL specified by user-supplied input `query` that is not validated. This co

File: app/repositories/juice-shop/routes/search.ts

Line: 23

Description: Detected a sequelize statement that is tainted by user-input. This could lead to SQL injection if the varia

File: app/repositories/juice-shop/routes/search.ts

Line: 23

Description: Detected user input used to manually construct a SQL string. This is usually bad practice because man

File: app/repositories/juice-shop/routes/userProfile.ts

Line: 36

Description: Detected the use of eval(). eval() can be dangerous if used to evaluate dynamic content. If this content

File: app/repositories/juice-shop/routes/userProfile.ts

Line: 56

Description: User data from `req` is being compiled into the template, which can lead to a Server Side Template Inje

File: app/repositories/juice-shop/routes/videoHandler.ts

Line: 57

Description: Cannot determine what 'subs' is and it is used with a '<script>' tag. This could be susceptible to cross-si

File: app/repositories/juice-shop/routes/videoHandler.ts

Line: 69

Description: Cannot determine what 'subs' is and it is used with a '<script>' tag. This could be susceptible to cross-si

File: app/repositories/juice-shop/server.ts

Line: 105

Description: A CSRF middleware was not detected in your express application. Ensure you are either using one such

File: app/repositories/juice-shop/server.ts

Line: 148

Description: Detected string concatenation with a non-literal variable in a util.format / console.log function. If an attac

File: app/repositories/juice-shop/server.ts

Line: 260

Description: Directory listing/indexing is enabled, which may lead to disclosure of sensitive directories and files. It is

File: app/repositories/juice-shop/server.ts

Line: 264

Description: Directory listing/indexing is enabled, which may lead to disclosure of sensitive directories and files. It is

File: app/repositories/juice-shop/server.ts

Line: 268

Description: Directory listing/indexing is enabled, which may lead to disclosure of sensitive directories and files. It is

File: app/repositories/juice-shop/server.ts

Line: 272

Description: Directory listing/indexing is enabled, which may lead to disclosure of sensitive directories and files. It is

File: app/repositories/juice-shop/views/promotionVideo.pug

Line: 79

Description: Detected an explicit unescape in a Pug template, using either '!= ' or '!{...}'. If external data can reach the