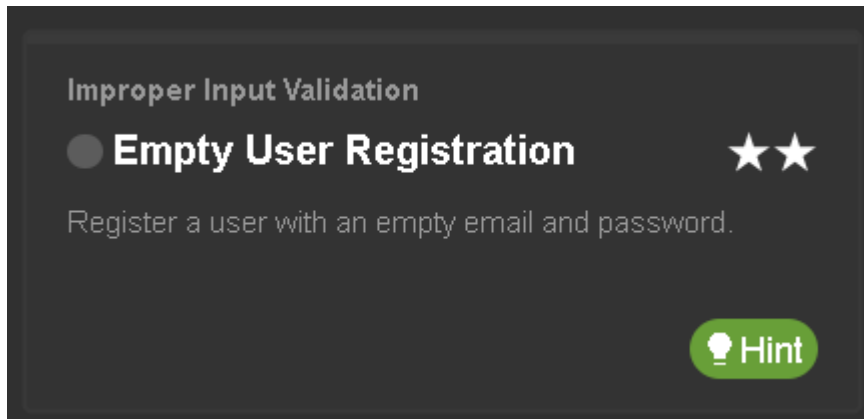


Improper Input Validation in OWASP JUICE SHOP

Empty User Registration



In this we need to register with an empty mail and pass

A screenshot of the OWASP Juice Shop web application. The header shows the "OWASP Juice Shop" logo and navigation links for "Account" and "EN". The main content area displays a "User Registration" form. The form includes fields for "Email *" (containing "fe@d"), "Password *" (masked with dots), "Repeat Password *" (masked with dots), "Security Question *" (a dropdown menu with "Name of your favorite pet?" selected), and "Answer *" (containing "Test"). There are character count indicators (5/50 for password, 5/40 for repeat password). A "Show password advice" toggle is present. At the bottom is a "Register" button with a user icon.

As it is not possible in the interface, we will intercept the request using Burp Suite

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Project

Intruder

Repeater

View

Help

Burp Suite Community Edition v2024.11....

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Dashboard

Target

Proxy

Intruder

Repeater

Collaborator

Sequencer

⚙️ Settings

Decoder

Comparer

Logger

Organizer

Extensions

Learn

Intercept

HTTP history

WebSockets history

Match and replace

⚙️ Proxy settings

⏸ Intercept on

➔ Forward

▼

Drop

▼

🌐 Open browser

?

⋮

Time	Type	Direction	Method	URL
23:57:3...	HT...	➔ Request	POST	https://juice-shop.herokuapp.com/api/Users/
23:57:4...	HT...	➔ Request	OPTIO...	https://api-sr.amplitude.com/sessions/v2/track?device_id=6bd0d0bc-1d67-4bc0-8e71-4eb34
23:58:0...	HT...	➔ Request	GET	https://cdn.growthbook.io/sub/sdk-v3oBJHwNrlwoI8ia

Request

Pretty

Raw

Hex

21

{

"email": "fe@d",

"password": "test7",

"passwordRepeat": "test7",

"securityQuestion": {

"id": 7,

"question":

"Name of your favorite pet?",

?

⚙️

⬅

➡

Search

🔍

0 highlights

Inspector

Request attributes

2

▼

Request query parameters

0

▼

Request cookies

7

▼

Request headers

18

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Inspector

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Event log (5)

All issues

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Memory: 155.9MB

We will set empty and forward the request

The screenshot shows the Burp Suite interface. The top menu bar includes Burp, Project, Intruder, Repeater, View, and Help. The main toolbar has tabs for Dashboard, Target, Proxy (selected), Intruder, Repeater, Collaborator, Sequencer, and Settings. Below this, there are sub-tabs for Decoder, Comparer, Logger, Organizer, Extensions, and Learn. The 'Intercept' tab is active, showing a list of intercepted requests. The first request is a POST to https://juice-shop.herokuapp.com/api/Users/. The 'Request' tab is selected, showing a JSON body with empty fields for email, password, and passwordRepeat. The 'Inspector' tab is also visible, showing request attributes, query parameters, cookies, and headers.

Time	Type	Direction	Method	URL
23:57:3...	HT...	→	Request	POST https://juice-shop.herokuapp.com/api/Users/
23:57:4...	HT...	→	Request	OPTIONAL https://api-sr.amplitude.com/sessions/v2/track?device_id=6bd0d0bc-1d67-4bc0-8e71-4eb3
23:58:0...	HT...	→	Request	GET https://cdn.growthbook.io/sub/sdk-v3oBJHwNrlwoIBia
23:58:1...	HT...	→	Request	GET https://clientservices.googleapis.com/chrome-variations/seed?osname=win&channel=sta
23:58:1...	HT...	→	Request	POST https://self.events.data.microsoft.com/OneCollector/1.0/
23:58:1...	HT...	→	Request	POST https://pptsgr.officeapps.live.com/pptsgr/FrontDoor.ashx
23:58:1...	HT...	→	Request	POST https://pptsgr.officeapps.live.com/pptsgr/FrontDoor.ashx
23:58:1...	HT...	→	Request	POST https://clients4.google.com/ukm
23:58:1...	HT...	→	Request	POST https://self.events.data.microsoft.com/OneCollector/1.0/
23:58:1...	HT...	→	Request	POST https://self.events.data.microsoft.com/OneCollector/1.0/
23:58:2...	HT...	→	Request	POST https://www.youtube.com/youtubei/v1/log_event?alt=json
23:58:2...	HT...	→	Request	POST https://clients4.google.com/ukm

```
21 {
  "email": "",
  "password": "",
  "passwordRepeat": "",
  "securityQuestion": {
    "id": 7,
    "question": "Name of your favorite pet?",
  }
}
```

Here you go instead of displaying an error message, we got successfully registered with empty email and password..

The screenshot shows the OWASP Juice Shop interface. The top bar includes the OWASP Juice Shop logo and navigation links for Account and EN. A green success message is displayed in the center: "You successfully solved a challenge: Empty User Registration (Register a user with an empty email and password.)".