



I-Learning

VISEO

Présenté par : Minh-Huy LE

Maître de stage : Henri DARMET

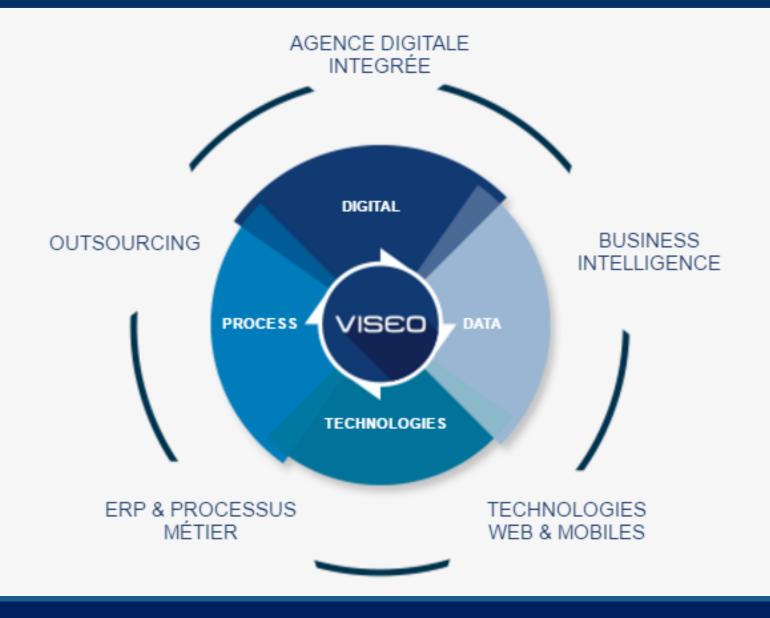
Enseignants tuteurs: Fabrice LEGOND-AUBRY

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Executive summary

- o VISEO
- o I-Learning
- o Missions
- o La triche
- o Problématique
- o Solutions
- o Bilan

VISEO: Activités



VISEO: Chiffres clés



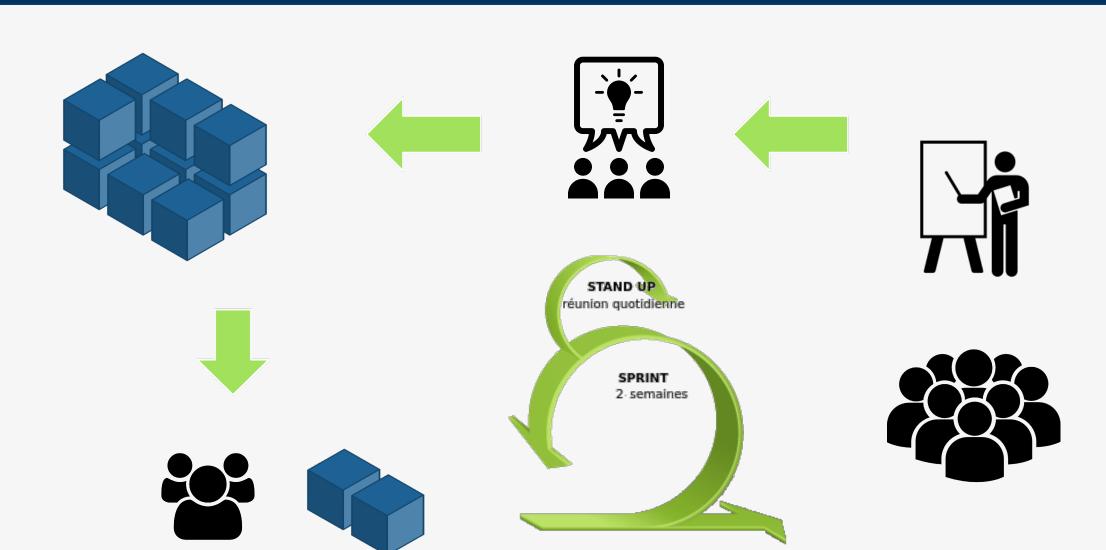
Chiffre d'affaire



Effectif



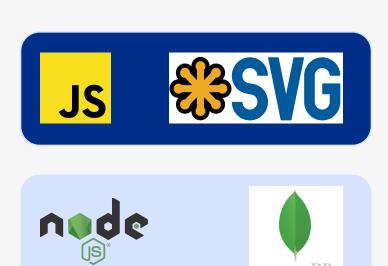
VISEO : Agilité



I-Learning: L'objectif

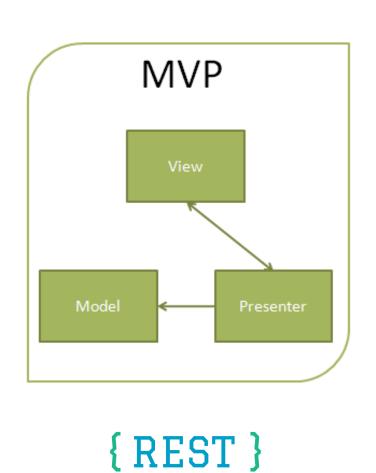


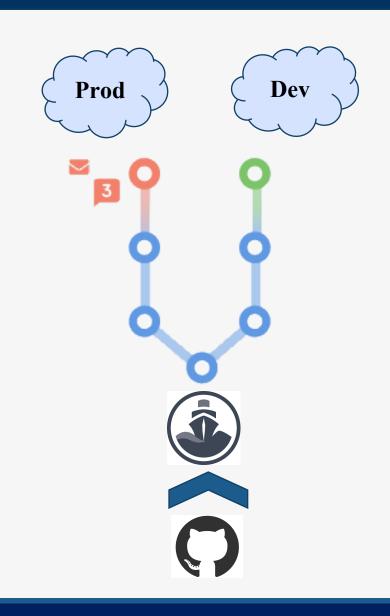
I-Le arning: Ingénierie



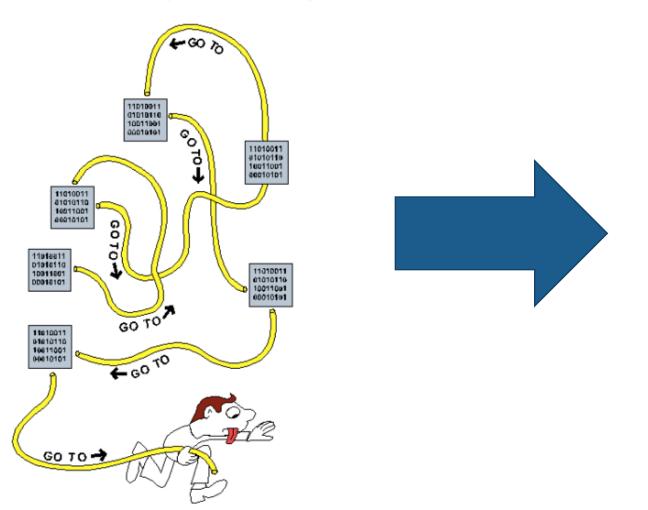


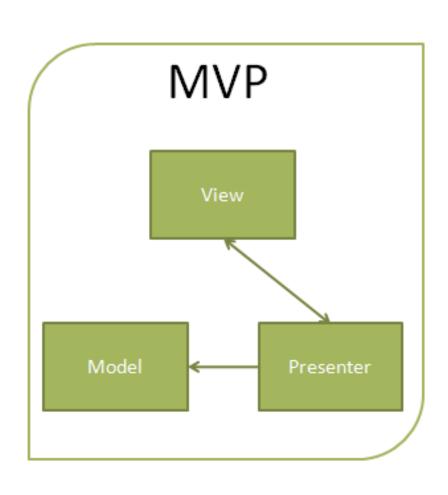
 $mongoDB_{\circ}$





o Correction, réfactoring du code (MVP)



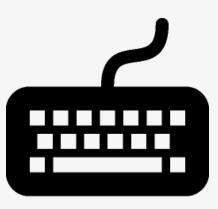


o Développement service REST

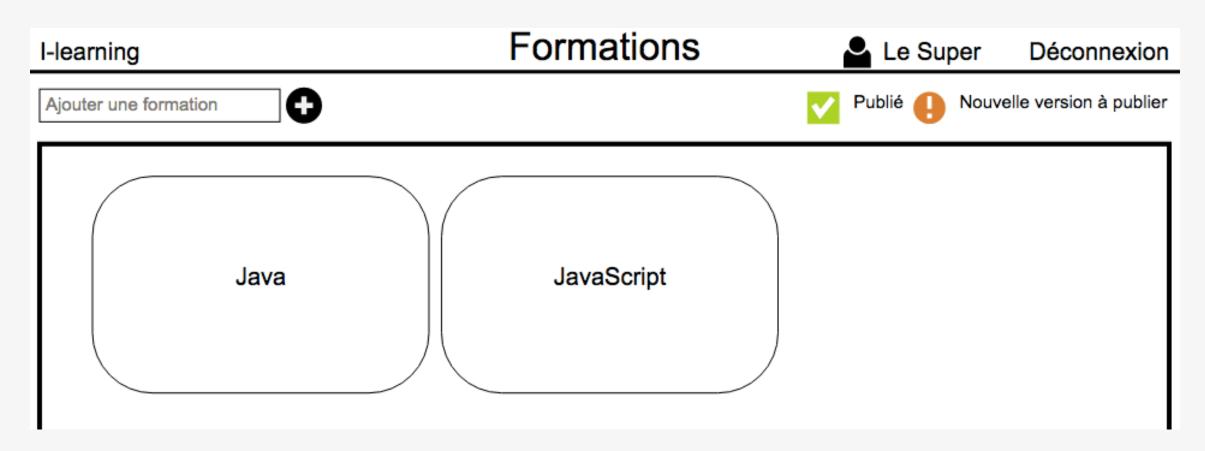
o Réalisations des tests



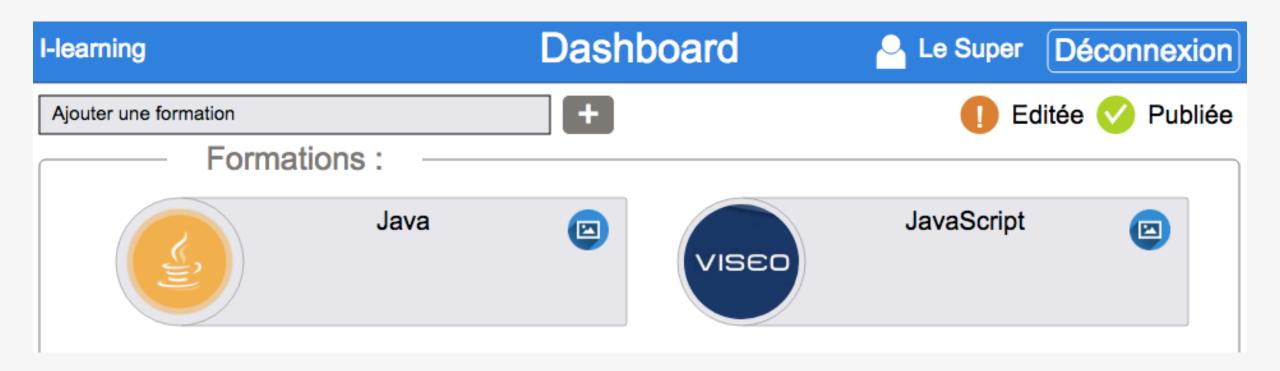




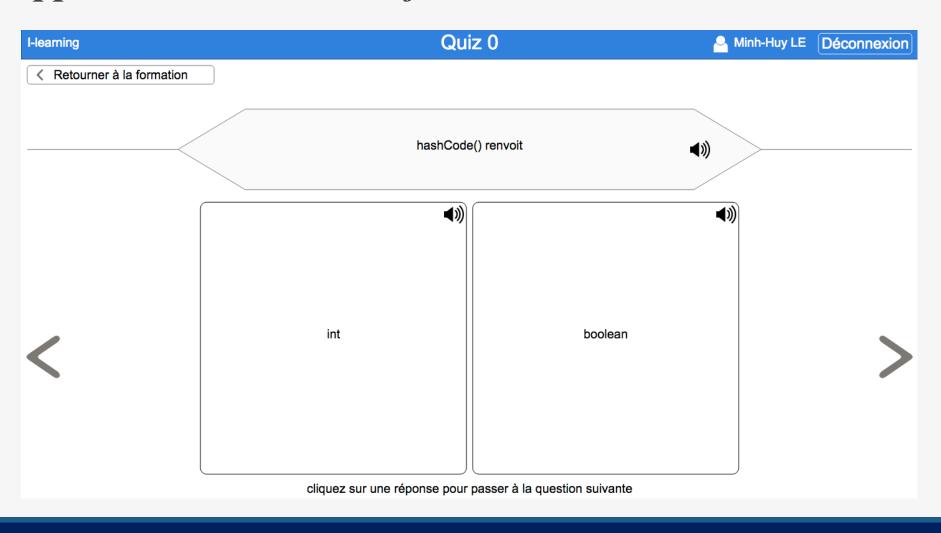
o Développement design



o Développement design



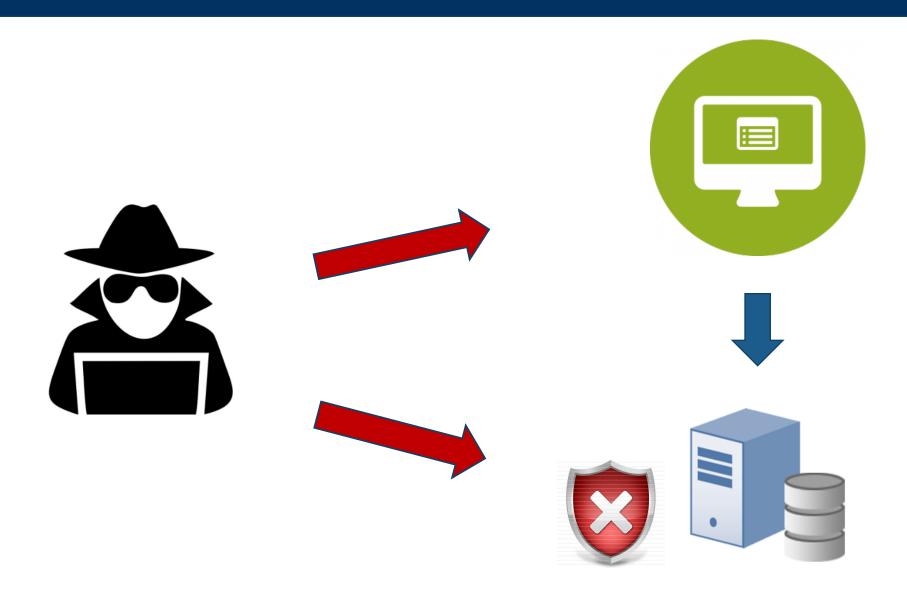
O Développement de nouveaux jeux



o Proposition de nouveaux jeux

hashCode retourne String int void

La triche



La triche: Top 10 des attaques

OWASP Top 10 – 2013 (New)

A1 -	lnj	ect	ion
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A2 – Broken Authentication and Session Management

A3 - Cross-Site Scripting (XSS)

A4 – Insecure Direct Object References

A5 – Security Misconfiguration

A6 - Sensitive Data Exposure

A7 – Missing Function Level Access Control

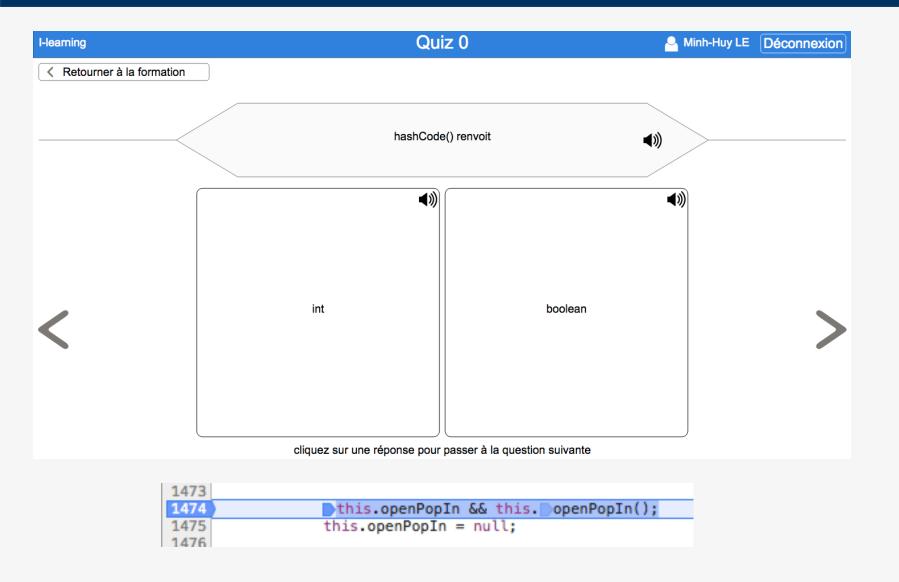
A8 – Cross-Site Request Forgery (CSRF)

A9 – Using Known Vulnerable Components

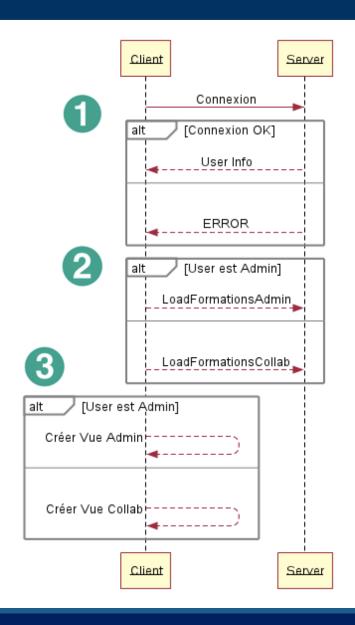
A10 – Unvalidated Redirects and Forwards

Merged with 2010-A7 into new 2013-A6

La triche: Code inspection



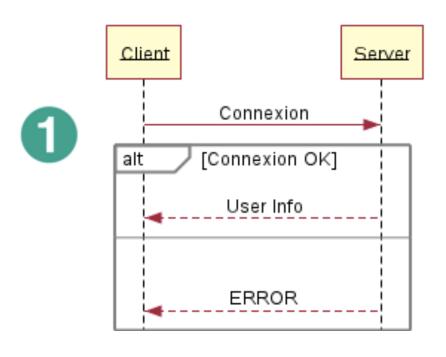
La triche: Code modification





▼ Event Listener Breakpoints		
► ☐ Animation		
▶ ☐ Canvas		
▶ ☐ Clipboard		
► ☐ Control		
▶ □ Device		
▶ □ DOM Mutation		
▶ ☐ Geolocation		
▶ ☐ Drag / drop		
▶ ☐ Keyboard		
▶ ☐ Load		
▶ ☐ Media		
▶ ☐ Mouse		
▶ ☐ Notification		
▶ □ Parse		
▶ □ Pointer		
▶ ☐ Script		
► ☐ Timer		
► ☐ Touch		
▶ ☐ Window		
▶ □ XHR		

La triche: NoSQL Injection



Forme initiale:

```
{
    "email": "minhhuyle"
    "password": "motdepasscompliquer"
}
```

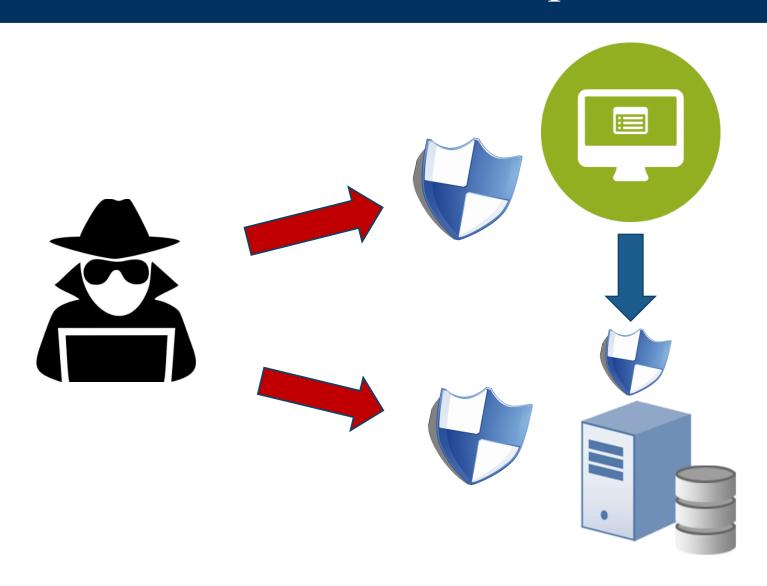
Forme injecté:

```
{
    "email": {$qt:""}
    "password": {$qt:""}
}
```

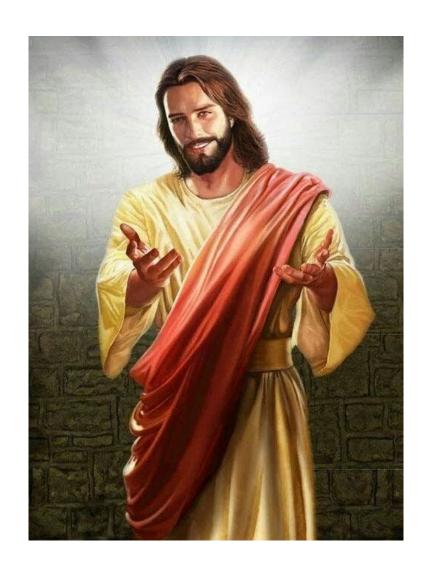
La triche: NoSQL Injection

```
Var query = { $where: "this.login === '" + req.body.login + "'" }
db.collection('users').find(query)
```

Problématique



Solutions







Bilan

Sensibiliser

2 Identifier & Protéger 3 Coût 4 Choix



Vous avez des questions?