Grickit

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Course: 4624

Institution: Virginia Tech  
Instructor: Ed Fox

Department: Computer Science  
Client: Dr. Steven Sheetz

City, State, Country: Blacksburg, VA, USA
Problem Introduction

- AHP Algorithm
- Back-end Implementation
- UI/UX Development
- Social Network Integration
- Deployment to Hardware
Design

“General Solution”
Back-end
- Node.js REST API

Modern UI
- HTML5
- Bootstrap 3.0
- Mobile Responsive
Back-end Implementation

• All AHP calculations
• Grickit Management
• Database interactions
• Live Documentation
**Grickit API Documentation**

All public routes for the Movies Grickit API

**GET**  /api/grickit

Request URL

https://sheetz.pamplin.vt.edu:8880/api/grickit

Response Body

```json
{
  
},

  "numAlternatives": 2,
  "critWeightOptions": [
    
    { "a": 0,
      "b": 1,
      "weight": null
    }
  
  ],
  "altWeightOptions": [
    
    { "a": 0,
      "b": 3,
      "weight": null
    }
  
  ],

Response Code

200

Response Headers

{ "Date": "Tue, 28 Apr 2015 23:02:30 GMT",
  "Content-Encoding": "gzip",
  "Vary": "origin,accept-encoding",
  "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",
  "Content-Type": "application/json; charset=utf-8",
  "Access-Control-Allow-Origin": "--",
Add Movies Here

Critic Score  Audience Score  Cast  Runtime  Rating

Generate Grickit  Reset
- **Lessons Learned & Future Work**

<table>
<thead>
<tr>
<th>Deployment is never easy</th>
<th>Full General Solution</th>
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<tbody>
<tr>
<td>Security is important</td>
<td>Educational Aspect</td>
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Thanks!

ANY QUESTIONS?
Client Contact Information

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