CS 3604 Case Study Library

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CS4624: Multimedia, Hypertext, and Information Access
Instructor: Dr. Fox

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Outline

- Project Overview
- What we currently have
- Progress Updates
  - Deployment
- In Progress
- OKRs Review
- Future Work
Submission & Presentation platform for CS3604 Projects

- Support for over 500 student submissions per semester
- Search and categorization based on:
  - Category
  - Date
  - Presentation Title
What we currently have

- Archival Submission Data
- Deployed VT-DLP on custom Domain
  - [https://casestudies.cs.vt.edu](https://casestudies.cs.vt.edu)
- Our own AWS account
- Python script for mass uploading.
Progress Updates: Deployment

- Retrieved the custom domain name from TechStaff
- Worked with Dr. Chen to address the issues related to uploading content onto the website
- Got a permanent AWS Account
  - Redeployed existing site onto the new AWS account
  - Working on updating the custom domain to point to the site on the new AWS account
Professionalism In Computing

CS 3604 Case Study Library

This website acts as a submission & presentation platform for CS3604: Professionalism in Computing Projects. Students are able to view and upload presentations for their specified sections.
Data Migration

- Archived project repository
  - ~3 GB of historical project submissions
  - Sorted by semester and labeled with student names
  - Python Script unzip and mass upload the files
  - Categorize Files
Data Migration

- Upload data using a script that modifies the JSON Item template and uploads it to AWS DynamoDB
## OKR Review

- Emphasize Agile Software Development Lifecycle
- Utilize sprint planning to complete milestones

<table>
<thead>
<tr>
<th>Goal</th>
<th>Description</th>
<th>Score</th>
<th>Progress</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Achieve a 90% or better on project score</td>
<td>100%</td>
<td>On Track</td>
</tr>
<tr>
<td>2</td>
<td>Add functionality to VTDLP</td>
<td>100%</td>
<td>On Track</td>
</tr>
<tr>
<td>3</td>
<td>Effective Team Communication and Engagement</td>
<td>86%</td>
<td>On Track</td>
</tr>
<tr>
<td>4</td>
<td>Deploy Website with Existing Data</td>
<td>90%</td>
<td>On Track</td>
</tr>
</tbody>
</table>
Future Work

- Testing
- Maintain the AWS account
- Students to upload directly on the website
Acknowledgements

Daniel Dunlap\textsuperscript{1}: Virginia Tech, Dept. Computer Science, Adjunct -> Instructor

VTDLP Access Website\textsuperscript{2}: Dr. Yinlen Chen, Lee Hunter, Tingting Jiang, Andrea Waldren (2021)

Edward Fox\textsuperscript{3}: Virginia Tech, Dept. Computer Science, Advisor -> CS4624 Professor

\textsuperscript{1} https://vt.academia.edu/DanielDunlap
\textsuperscript{2} https://github.com/vtul/dlp-access
\textsuperscript{3} https://fox.cs.vt.edu/foxinfo.html
References


