Individual Capstone Project Proposal

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| Student Name: | Reegan Beveridge |
| Project Name: | League of Legends API Website |

Category:

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| ☐ Plan an Application | x Develop an Application |
| ☐ Analyze a System | ☐ Develop a Library |
| ☐ Business Plan | ☐ Develop an Educational Resource |
| x Research Project | ☐ Deliver a Technical Presentation |
| ☐ Other | ☐ Refine an Existing Project |

Specifically, what will you be doing?

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| The League of Legends API website is an expansive use of an API presented on a website. With numerous different API calls it's a great portfolio peice to show what Durham College covers. The Website is a simple webpage conglomerating a variety of API calls.  The project plan is available here:   https://trello.com/b/d0LNtOje/league-of-legends-api   Using trello was part of the projects goal of covering the aspects of a general project from start to finish all the way. Trello was used specifically as many people recommend it and although there are better alternatives specifically for software development, I went with a approach of working with what softwareyou are told to use. (Although in this case the final decision was made by myself.)  The website has a list of pages that contain fuctions and purposes that are broken into a current scope and expandable scope (contains & may contain). This is to help with the possible constant flux of the scope and keeping track of work done. |

Why have you selected this as your capstone project?

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| This is a research project into a personal project I want to do and created a great foundation for a capstone project. Since well over half of our education at durham college was Databases and websites, my project uses both while also exploring more indepth in these areas. |

How does this project relate to the courses in your CPA program of study?

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| WEBF5202 | Discussed Bootstrap and API's |
| WEBD3201 | Learned how to use PHP and Databases |
| SYDE5203 | Learned database managmenet, creation and project handling including documentation. |

How is this project suitable for a professional computer programmer analyst?

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| This project allows me to expand my portfolio while applying the material taught by Durham College. |

What resources will you use to assist you in completing this project?

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| League of Legends API documentation - for detailed information on how to use the API League of Legends API discord/ forum - for specfic questions Bootstrap Documentation - for how to use and customize bootsrap for my needs. Google - For programming assistance. |

Are there any specific contacts or resources you might need provided in order to start and/or complete this project?

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| Being able to have a contact with knowledge about Website design would help in completing the finishing touches so the website is properlly presentable. |

What people on campus might be able to provide guidance or assistance for this project?

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| Darren Puffer has knowledge in PHP and possibly with APIs & Kyle Sullivan knows about website design, javascript and also has knowledge of PHP and APIs. |

What do you expect to learn from this project?

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| Working with an API: parsing a json file, properlly handling sensitive data (API key), Database Design with a partially pre-determined structure, website design. Handling a project from start to completion of my own satisfaction(hopefully) |

What value will this project bring to someone else?

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| This project COULD be used for use online but most of these features are similarly provided online already. This is mainly a research project in learning APIs with one that interests me. |

How many hours do you expect to work on this project this semester?

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| 98 hours. |

What do you expect to have done by Week 6?

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| Website structure with proof of concept: API connection works, and can store data. With a few simple select pages done. Possibly Champion Mastery display and Map knowledge. What webpages are actually viable in the amount of time will be more obvious at this point, as I will know how to use the technology properlly and the Project plan should be updated at this point. |

What do you expect to have done by Week 8?

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| As most of the research and structure has already been completed, Roughly half of the in-scope pages should be presentable as showing their purpose/use. |

What do you expect to have done by Week 10?

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| Week 10 has 90%-100% completion of page creation, and beginning of webpage design as to make it portfolio presentable. |

What, if anything, will happen with this project after the end of the semester?

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| This project will be used as my first completed portfolio peice to use in the future to show my work. Overall the purpose of this project was the adventure to the complete project, and other than adding it as another project I have completed on my portfolio, has no purpose. |

How do you plan to demonstrate, publish or distribute your project when it is complete?

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| For the final presentation I will do a walkthrough of how the website works, otherwise will be added to my digital portfolio linked from my resume. |