**Statement of Work**

## Introduction

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| **Name of Project** |
| UofL Men's Basketball Team Database |

|  |  |
| --- | --- |
| **Contact** | **Email/Cell** |
| Sponsor: UofL Men’s Basketball team | j0pere19@louisville.edu |
| Stakeholder: Justin Perez | J0pere19@louisville.edu |
| Project Manager: Dr. James Chrisman | david.chrisman@louisville.edu |
| Team Member: Michelle Green, Asley Aguilera Rico, Andrew Kash, Dante Rashaan Roberts, Nhan Nguyen | [naudia.green@louisville.edu](mailto:naudia.green@louisville.edu), ashley.aguilerarico@louisville.edu, [andrew.kash@louisville.edu](mailto:andrew.kash@louisville.edu), [dante.roberts@louisville.edu](mailto:dante.roberts@louisville.edu),  nhan.nguyen@louisville.edu |
| Contractor/Vendor: |  |

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| **Background** |
| University of Louisville’s Men’s Basketball currently records their practice and training results on paper and excel sheets, making it very difficult to keep the process on track and hard to gather information when needed. They needed a method to make it easier to record their training results and also to stay ahead of their competition. |

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| **Purpose** |
| The most effective way to help the University of Louisville's Men's Basketball is to create an independent website database where they can upload practice information alongside much more basic information that the basketball team would need. It can also make information management easier, cutting down on the time it takes to make strategic decisions. |

## Scope of Work

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **To Be Done** | **Resources Needed** | **Outcome** | **Time Involved** | **General Steps** |
| Requirement Analysis | Project manager | Clear project requirements and feature list | 2 weeks | Conduct interviews and surveys |
| Design & Architecture | Front-end Developer, Back-end Developer, UX/UI Designer | Finalized design and tech stack | 3 weeks | Create wireframes and database schema |
| Development | Front-end Developer, Back-end Developer, Database Administrator | Functional website components | 4 weeks | Code in sprints with periodic reviews |
| Testing | QA Tester | Bug-free, fully functional website | 3 weeks | Perform unit, integration, and user acceptance tests |
| Deployment | Project Manager, Back-end Developer | Live website | 1 week | Deploy to server |
| Training | Project Manager, Training Material | Trained staff and players | 1 week | Train users and provide documentation |
| Maintenance & Support | Project Manager, Front-end Developer, Back-end Developer | Ongoing support and updates | Ongoing | Regular updates and bug fixes |

## Location

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| **Site** | **Duration** |
| Office: University of Louisville - Athletics Dept 2100 South Floyd Street, SAC Building Louisville, KY 40208 | 1 hour |
| Remote Location: |  |

## Schedule

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| --- | --- | --- |
| **Phases** | **Start** | **Finish** |
| Requirement Analysis | 8/23/2023 | 11/27/2023 |
| Design & Architecture | 8/23/2023 | 11/27/2023 |
| Development | 8/23/2023 | 11/27/2023 |
| Testing | 8/23/2023 | 11/27/2023 |
| Deployment | 8/23/2023 | 11/27/2023 |
| Training | 8/23/2023 | 11/27/2023 |
| Maintenance & Support | 8/23/2023 | Ongoing |

## Deliverables

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| **Deliverable** | **Objective** | **Due Date** |
| Requirement Analysis | To outline the project requirements, features, and constraints | 09/17/2023 |
| Design & Architecture | To provide wireframes, tech stack details, and database schema | 09/24/2023 |
| Development | To show progress in coding, divided into sprints | 11/27/2023 |
| Testing | To document the results of all types of testing | 11/27/2023 |
| Deployment | To outline the steps for deploying the website | TBA |
| Training | To guide staff and players on how to use the website | TBA |
| Maintenance & Support | To outline the plan for ongoing support and updates | Ongoing |

## Milestones

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| --- | --- | --- |
| **Milestones** | **Start Date** | **Finish Date** |
| Demo One | 09/25/2023 | 10/29/2023 |
| Demo Two | 10/30/2023 | 11/13/2023 |
| Final Demo | 11/20/2023 | 11/27/2023 |

## Tasks

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| --- | --- | --- |
| **Activity** | **Duration** | **Team Member** |
| Demo One Creation | 3 weeks | All members |
| Demo Two Creation | 2 weeks | All members |
| Final Demo Creation | 1 week | All members |

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| **Reporting and Communications** |
| *All due dates set by project manager will be followed.* |

## Testing

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| **Standard/Test** | **Team Member** | **Due Date** |
| Unit Test and UAT | All members | 11/27/2023 |
| Performance Testing | Nhan Nguyen | 11/27/2023 |
| Realtime Testing | Ashley Aguilera Rico | 11/27/2023 |
| Security Testing | Ashley Aguilera Rico | 11/27/2023 |
| Compliance Testing | Michelle Green | 11/27/2023 |
| Audit Testing | Dante Roberts | 11/27/2023 |
| Accessibility Testing | All members | 11/27/2023 |
| Recovery Testing | Andrew Kash | 11/27/2023 |
| Usability Testing | Andrew Kash | 11/27/2023 |
| Performance Testing | Nhan Nguyen | 11/27/2023 |
| Extensibility Testing | Dante Roberts | 11/27/2023 |
| Scalability Testing | Michelle Green | 11/27/2023 |

## Define Success

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| *The project is deemed successful when all specifications represented in the RTM are completed* |

## Requirements

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| *Access to development software* |

## Other

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| *Place here anything relevant to the project that was not captured above* |

## Payments

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| **Who** | **How Much** | **Payment Due** |
| Budibase | TBD | 12/08/2023 |

## Closure

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| **Document** | **Signed Off** |
| RPM |  |
| RTM |  |
| PC |  |