**Release and Sprint Plans**

**Team 3**

|  |  |
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Release Plan

# Release 1

Delivery date: 30 May 2018 Total Story Points: 69

This release will contain the features and requirements deemed high priority. These have been determined based on a combined assessment from the client and development team. Within this release, we expect to deliver the framework and GUI of the website, create and link the database, create the ability to log in to a management portal in each stakeholder’s perspective (business owner, teacher, and client), develop methods of client interaction with the school, as well as create instrument management.

## GUI

Plan and then design a user-friendly GUI for the website that will fit the owner’s needs.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title | Story Points | |
| S01 | Design/Create GUI | | 7 |
|  | Story Point Sub-Total: | | 7 |

## Database

The database will be created and then linked to the website. Users with the right permission will only be able to modify what they have permission for in the database.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S02 | Create Database | 9 |
| S03 | Link Database | 6 |
|  | Story Point Sub-Total: | 15 |

## Login Portal

Users will be able to login into their accounts on the website and will only be able to modify information which they have permission for.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S04 | Administrative Login Portal | 9 |
| S05 | Teacher Login Portal | 9 |
| S06 | Client Login Portal | 8 |
|  | Story Point Sub-Total: | 26 |

## Client Interaction

New teachers will be able to apply to become a teacher by filling in the application on the jobs page. New students will be able to apply to be enrolled as a student and parents will be able to enrol their child/children on the enrolment page.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S07 | Create Jobs Page | 8 |
| S14 | Student Enrolment Page | 8 |
|  | Story Point Sub-Total: | 16 |

## Instrument Management

Users will be able to see the instruments and their details (condition, availability, and costs) and will be able to make a decision to hire them or not based on their needs and finances/budget.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S10 | Instrument Hire Page | 5 |
|  | Story Point Sub-Total: | 5 |

# Release 2

Delivery date: To Be Negotiated Total Story Points: 21

This release will contain the features and requirements deemed medium/moderate priority. These have been determined based on a combined assessment from the client and development team. Within this release we expect to deliver means of social media engagement, as well as create enquiry capabilities.

## Social Media Engagement

The owner will be able to promote, advertise, and market Pinelands Music School through the means of social media platforms such as Facebook, Instagram, Twitter, LinkedIn, and any other suitable mediums.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S11 | Social Media Linkages | 4 |
|  | Story Point Sub-Total: | 4 |

## Enquiries

Users will be able to get in touch with the school by filling in an enquiry form on the Enquiries page and sending it through the website. This will be for occasions when a user wants to inquire after school hours, so that the person suitable to answer their enquiries can answer them the next working day.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S12 | Client Enquiry Capabilities | 3 |
| S13 | Teacher Enquiry Capabilities | 3 |
|  | Story Point Sub-Total: | 6 |
|  |  |  |

## Other Client Interaction

Any teachers, students, and parents who want to find out more about the school will be able to just go to the FAQ page or Contact Us page for more information about the school.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S08 | About Us Page | 6 |
| S09 | Contact Us Page | 5 |
|  | Story Point Sub-Total: | 11 |

# Release 3

Delivery date: To Be Negotiated Total Story Points: 34

This release will contain the features and requirements that will finalise the product before launch. These have been determined based on a combined assessment from the client and development team. Within this release, we expect to deliver a tested and debugged website, incorporate validation into input fields, implement security methods and features for the website and users, create an appropriate backup and storage solution, as well as add any additional features that will be considered low priority and will be implemented in future iterations.

## Testing

The testing component will ensure seamless functionality for users and compatibility across multiple platforms, operating systems, and browsers. This feature will allow any errors or bugs that are found to be addressed before product launch. Testing will ensure that the business owners’ delivery expectations are met, thereby leading to a complete and robust offering that is suitable to their clientele.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S15 | Deploy Software Testing | 7 |
|  | Story Point Sub-Total: | 7 |

## Security

This feature will include user validation, user authentication, appropriate password and data encryption, and the implementation of administrative features. By implementing these features, it will enable the business owner to deliver a secure access portal to their clientele. This will prevent data being stolen, prevent account and personal information from being accessed, and give the business owner the ability to oversee and manage security threats.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S16 | Website Security | 4 |
|  | Story Point Sub-Total: | 4 |

## Backup and Storage

The backup and storage feature will determine an approach to take to backup and store data that will be part of the business owner’s database. This data will include past, existing, and future information. Backup and storage methods will be essential to the business as it will provide a point of redundancy in event of system failure, unexpected data loss or corruption, and breaches.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S17 | Backup/Storage Implementation | 3 |
|  | Story Point Sub-Total: | 3 |

## Extra Features

This component within the release will pertain to additional features that are deemed lower priority or arbitrary in reference to the overall need assessment and the business owner’s requirements. Although this will be seen as less important, it will be able to add value to the business. How it will be able to do this is by offering clients something more to look forward to, such as changes based on feedback received on the website’s design, usability, and functionality. These changes will be implemented in future iterations.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S18 | Welcome Page | 4 |
| S19 | Payment Portal | 4 |
| S20 | Transcripts Request Page | 3 |
| S21 | Reviews Page | 2 |
| S22 | Events Page | 1 |
| S23 | Mobile Cross-Compatibility | 6 |
|  | Story Point Sub-Total: | 20 |

# Delivery Schedule

|  |  |  |
| --- | --- | --- |
| Week 6 | Sprint 1 | Release 1 |
| Week 7 |
| Week 8 |
| Week 9 |
| Week 10 | Sprint 2 |
| Week 11 |
| Week 12 |
| Week 13 |
| Week 14 | Sprint 3 | Release 2 |
| Week 15 |
| Week 16 |
| Week 17 |
| Week 18 | Sprint 4 |
| Week 19 |
| Week 20 |
| Week 21 |

## Estimated Velocity: 30

Sprint Plan

# Sprint 1

Total Story Points: 50 Total Hours: 75

## Current Velocity: *undefined*

## Story 01: Design/Create GUI

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T01 | Plan the Prototype/Storyboard | 2.5 | 12 |
| T02 | Implement/code the GUI | 4 |  |
| T03 | Verify story is complete (acceptance test) | 4 |  |
|  | Story Points: 7 Total Hours: | 10.5 |  |

## Story 02: Design/Create Database

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T04 | Create a host (AWS) | 1 | 0.17 |
| T05 | Format database | 1 | 0.17 |
| T06 | Create relations | 1 | 0.5 |
| T07 | Create fields | 1 | 1 |
| T08 | Enforce data integrity | 1 |  |
| T09 | Denote keys | 1 | 0.5 |
| T10 | Store procedures for most frequent queries | 1.5 |  |
| T11 | Create indexes for most frequent relations | 1 |  |
| T12 | Populate Database with records | 2 | 0.17 |
| T13 | Verify story is complete (acceptance test) | 3 | 0.17 |
|  | Story Points: 9 Total Hours: | 13.5 |  |

## Story 03: Link Database

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T14 | Configure settings to PostGreSQL | 4 | 1 |
| T15 | Access to MySQL API | 4 | 0.5 |
| T16 | Verify story is complete (acceptance test) | 4 | 0.5 |
|  | Story Points: 8 Total Hours: | 12 | 2 |

## Story 04: Administrative Login Portal

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T17 | Create form | 3 |  |
| T18 | Allocate permissions | 2 |  |
| T19 | Create Login and Reset buttons | 0.5 |  |
| T20 | Create button functionality | 2 |  |
| T21 | Validate form inputs | 2 |  |
| T22 | Verify story is complete (acceptance test) | 4 |  |
|  | Story Points: 9 Total Hours: | 13.5 |  |

## Story 05: Teacher Login Portal

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T23 | Create form | 3 |  |
| T24 | Allocate permissions | 2 |  |
| T25 | Create Login and Reset buttons | 0.5 |  |
| T26 | Create button functionality | 2 |  |
| T27 | Validate form inputs | 2 |  |
| T28 | Verify story is complete (acceptance test) | 4 |  |
|  | Story Points: 9 Total Hours: | 13.5 |  |

## Story 06: Client Login Portal

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T29 | Create form | 2 |  |
| T30 | Allocate permissions | 2 |  |
| T31 | Create Login and Reset buttons | 0.5 |  |
| T32 | Create button functionality | 1.5 |  |
| T33 | Validate form inputs | 2 |  |
| T34 | Verify story is complete (acceptance test) | 4 |  |
|  | Story Points: 8 Total Hours: | 12 |  |