**Release and Sprint Plans**

**Team Number 76**

|  |  |
| --- | --- |
| **Student Number** | **Team Member Name** |
| n7007035 | Tom Burke |
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Tutor: Artem Kulakov

Version:

Date:

Link to Github Repository: <https://github.com/freef49/IFB299-Music-School/tree/master>

**Release 1**

Delivery date: 22nd September Total Story Points: **41**

Release 1 is an important stepping stone in the development of the Mika Williams Music School website. The two features that will be focused on for Release 1 are Accessibility and Account administration. Most of the sprint time available will be spent developing the accessibility feature as it has a higher story point count then Account Administration. The goals of this release is to present the core features of the website completed and usable so that the client can clearly see their vision.

## **Accessibility - Sign up/Login**

Accessibility is a very important aspect to any website or application. In order to promote a strong user experience and allow as many potential users to easily access the website it is key that accessibility is one of the main features focused on in the development period. The business value of Accessibility is the potential for a strong user experience, an experience that they might recommend to others, thus increasing potential traffic to the website. Using a website will little to no accessibility would negatively impact the user experience of the website.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **2** | Student Login | 8 |
| **6** | Teacher Login | 8 |
| **12** | Teacher Registration | 2 |
| **14** | Student Registration (Including Login details of Parents) | 4 |
| **44** | Admin/Owner Login | 8 |
|  | Story Point Sub-Total: | 30 |

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## **Account Administration - Updating/Blocking Users**

Account Administration is the core of any login based website. Giving users the ability to manage their account will again provide a strong user experience by allowing them to update or change information easily. It also promotes security as it allows the blocking of certain users by the owner, who pose a security threat. The business value can clearly be seen as Account Administration is considered a highly important aspect of any website, and having this ability will promote the website as a safe and secure place.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **17** | Teacher View/Edit details | 4 |
| **27** | Owner Remove Teacher/Student | 1 |
|  | Story Point Sub-Total: | 5 |

# **Features Pulled from release 2**

Stories pulled into sprint 2 due to underestimation of velocity.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **15** | Link to Facebook Page ib (pulled from release 2) | 1 |
| **42** | Google Maps on the Webpage (pulled from release 2) | 1 |
| **51** | Student View/edit details(newly created story) | 4 |
|  | Story Point Sub-Total: | 6 |

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# **Release 2**

Delivery date: 27 October Total Story Points: **116**

Release 2 is of pivotal importance to the final project. Following the main functionality of Release 1, Release 2 will focus on the core features and requirements of the website. The second release will focus on the main feature of the website in the form of timetabling and the front end of the website. The sprint time will equally be shared between the two tasks as they are of equal story point importance. The goal of this Release will be to provide the teachers and students with the bread and butter of their use experience as well as to provide the website with its core usability and aesthetics.

**Timetabling**

Timetabling will be the core user experience for most teachers and students. This feature will give them the ability to change availability, see who their teachers are, see when their classes are scheduled and give students the ability to book sessions in the schools facilities. This feature will be the bread and butter of day-to-day operations with other features being added to this in further releases.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **4** | Student Book a lesson | 16 |
| **5** | Teacher View Timetable | 32 |
| **7** | Owner book interview | 4 |
| **11** | Teacher Edit Availability | 2 |
| **16** | Student View Timetable | 16 |
| **20** | Anonymous User View Teachers | 4 |
| **25** | Book Session in Free Play Room | 16 |
|  | Story Point Sub-Total: | 90 |

**Email Based Account Management**

Correspondence through email will allow for a greater breadth of account management capabilities the foremost being password reset. This functionality will also allow a user to flag themselves as available to receive emails and provide their email address allowing a teacher or administrator to contact them beyond the scope of the website.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **29** | Student Choose to Receive Emails (pulled from backlog) | 2 |
| **30** | Parent Choose to Receive Emails (pulled from backlog) | 2 |
| **45** | Reset Password | 16 |
| **47** | Optional email registration form for Parents (pulled from release 3) | 4 |
| **52** | Google Analytics (newly created story) | 2 |
|  | Story Point Sub-Total: | 26 |

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# **Release 3**

Delivery date: Total Story Points: **60**

Release 3 can be seen as an expansion of the websitesites feature set. Whilst not a part of core set of features that were seen in Release 1 and 2, the features in Release 3 are features that can increase the business value of the website as user will be able to access various management features from the website instead of in person. It will also allow for strong communication between various users of the website through email. The goal of Release 3 is to have an instrument management system that can be accessed by differently depending on the role of the user, and for strong email communication between students/parents and teachers.

## **Reports**

Instrument management, for a music school, is a highly important feature. Many student wishing to learn an instrument may not have access to that particular instrument. Mika Williams school will allow students to hire out instruments on site to alleviate this problem. However this means that these instruments need system built around them to allow them to be easily managed. This includes reports about instruments for the owner, costs for the student to hire them out, and logging and storing information about the instruments. This feature will definitely increase the business value of the website, as it allows student with no access to a musical instrument to still learn and perform with a particular instrument.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **3** | Owner Staff report | 8 |
| **8** | Owner Instrument Condition Report | 8 |
| **9** | Owner Instrument Use Report | 8 |
| **10** | Instrument Maintenance Costs | 8 |
| **21** | Owner student report | 8 |
| **34** | Instrument Logging | 16 |
|  | Story Point Sub-Total: | 56 |

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## **Emailing**

Interaction between students/parents and teachers is a highly important aspect of any educational environment. It allows feedback about the skills and techniques learnt, assessment dates, class changes and much more to be communicated. The best way to facilitate this through an IT solution is emailing. The business value is no doubt increased with the use of emailing between users, as the promote a strong educational environment to facilitate learning.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **32** | Owner Sending Out Update Email | 2 |
| **36** | Teacher Emailing Owner about Students | 2 |
|  | Story Point Sub-Total: | 4 |

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# **Delivery Schedule**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |  |
| Sprint 1 | | Sprint 2 | | Sprint 3 | | Sprint 4 | |  |
| Release 1 | | | | Release 2 | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 14 |  | Week 15 |  |  |  |  |  |
| Sprint 5 | | … | |  | |  | |
| Release 3, 4, … | | | | | | | |

## Estimated Velocity:

**Sprint 1**

Total Story Points: 22 Total Hours: 35

## Current Velocity: Undefined

## **ID 2: Student Login**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **1** | Setup the environment | 2 | 3 |
| **2** | Generate Resources | 2 | 1 |
| **3** | Build automated testing platform | 2 | 5 |
| **4** | Style Login page | 1 | 1 |
| **5** | Set required fields | 1 | 1 |
| **6** | Verify story is complete (acceptance test) | 1 | 0.5 |
|  | Story Points: 8 Total Hours: 11.5 | 9 | 11.5 |

## **ID 6: Teacher Login**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **7** | Setup the environment | 2 | 2 |
| **8** | Generate Resources | 2 | 2 |
| **9** | Configure Automatic testing platform | 2 | 3 |
| **10** | Style Login page | 1 | 0.5 |
| **11** | Set required fields | 1 | 0.5 |
| **12** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 8 Total Hours: 9 | 9 | 9 |

## **ID 12: Teacher Registration**

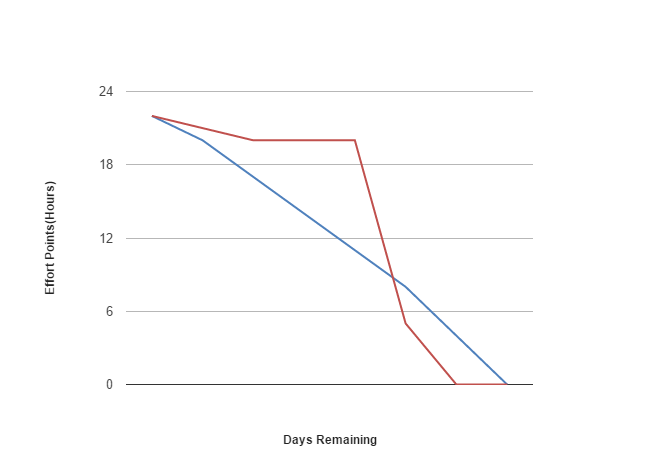
|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **13** | Generating the user model (teacher) | 3 | 5 |
| **14** | Adding validations | 2 | 0.5 |
| **15** | Ensuring a secure password | 4 | 2 |
| **16** | Verify story is complete (acceptance test) | 1 | 0.5 |
|  | Story Points: 2 Total Hours: 8 | 10 | 8 |

## **ID 14: Student Registration**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **17** | Generating the user model (student) | 1 | 3 |
| **18** | Adding validations | 2 | 0.5 |
| **19** | Ensuring a secure password | 2 | 1 |
| **20** | Adding additional fields for younger students | 2 | 1 |
| **21** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 Total Hours: 6.5 | 7 | 6.5 |

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**Sprint 2**

Total Story Points: 19 Total Hours: 36.5

## Current Velocity: 0.62 story points an hour.

## **ID 15: Link to Facebook Page**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **1** | Add link on home page | 1 | 1 |
| **2** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 1 Total Hours: 2 | 2 | 2 |

## **ID 17: Teacher View/Edit details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **3** | Generate page to edit details | 2 | 1 |
| **4** | Add form to page | 2 | 2 |
| **5** | Add functionality | 4 | 6 |
| **6** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 Total Hours: 10 | 9 | 10 |

## **ID 27: Owner Remove Teacher/Student**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **7** | Functionally to check if owner | 1 | 1 |
| **8** | Add html button | 1 | 1 |
| **9** | Add functionality on press remove user from database | 0.5 | 0.5 |
| **10** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 1 Total Hours: 3.5 | 3.5 | 3.5 |

## **ID 42: Google Maps on the Webpage**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **11** | Add link on home page | 1 | 1 |
| **12** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 1 Total Hours: 2 | 2 | 2 |

## **ID 44: Admin/Owner Login**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **13** | Setup the environment | 2 | 2 |
| **14** | Generate Resources | 2 | 2 |
| **15** | Configure Automatic testing platform | 2 | 3 |
| **16** | Style Login page | 1 | 0.5 |
| **17** | Set required fields | 1 | 0.5 |
| **18** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 8 Total Hours: 9 | 9 | 9 |

## **ID 51: Student View/edit details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **19** | Generate page to edit details | 2 | 1 |
| **20** | Add form to page | 2 | 2 |
| **21** | Add functionality | 4 | 6 |
| **22** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 Total Hours: 10 | 9 | 10 |

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## Chart

**Sprint 3**

Total Story Points: 62 (58 completed) Total Hours: 49.5

## Current Velocity: 0.57 story points an hour.

## **ID 4: Student Book a Lesson**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **1** | Create Lesson Book Model | 1 | 1 |
| **2** | Create Student Preference Model | 1 | 1 |
| **3** | Create Teacher Skills Model | 1 | 1 |
| **4** | Create lesson controller | 1 | 1 |
| **5** | Create Student Preference controller | 0.5 | 0.5 |
| **6** | Create Teacher Skills controller | 0.5 | 0.5 |
| **7** | Create necessary pages for lessons | 1 | 1 |
| **8** | Create necessary pages for Student Preferences | 0.5 | 0.5 |
| **9** | Create necessary pages for Teacher Skills | 0.5 | 0.5 |
| **10** | Add functionality for teachers to create, edit and delete skills | 1 | 1 |
| **11** | Add functionality for teachers to create, edit and delete lessons | 1 | 1 |
| **12** | Add functionality for students to create, edit and delete Preferences | 1 | 1 |
| **13** | Verify story is complete (acceptance test) | 2 | 2 |
|  | Story Points: 16 Total Hours: 12 | 12 | 12 |

## **ID 7: Owner Book Interview (Did not complete)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **14** | Create Model | 1 |  |
| **15** | Create Controller | 0.5 |  |
| **16** | Create necessary pages | 1 |  |
| **17** | Add functionality to add new availabilities | 2 |  |
| **18** | Add functionality to view all availabilities | 0.5 |  |
| **19** | Add functionality to edit availabilities | 0.5 |  |
| **20** | Add functionality to delete availabilities | 1 |  |
| **21** | Verify story is complete (acceptance test) | 1 |  |
|  | Story Points: 4 Total Hours: | 7.5 |  |

## **ID 11:Teacher Edit Availability**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **22** | Create Model | 1 | 1 |
| **23** | Create Controller | 1 | 0.5 |
| **24** | Create necessary pages | 1 | 0.5 |
| **25** | Add functionality to add new availabilities | 2 | 0.5 |
| **26** | Add functionality to view all availabilities | 0.5 | 0.5 |
| **27** | Add functionality to edit availabilities | 0.5 | 0.5 |
| **28** | Add functionality to delete availabilities | 1 | 0.5 |
| **29** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 Total Hours: 5 | 7 | 5 |

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## **ID 25: Book Session in Free Play Room**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **30** | Create Model | 1 | 2 |
| **31** | Create Controller | 1 | 4 |
| **32** | Create necessary pages | 1 | 1 |
| **33** | Add functionality to add new bookings | 2 | 1 |
| **34** | Add functionality to view all bookings | 0.5 | 0.5 |
| **35** | Add functionality to edit bookings | 0.5 | 0.5 |
| **36** | Add functionality to delete bookings | 1 | 0.5 |
| **37** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points:16 Total Hours: 12.5 | 8 | 10.5 |

## **ID 29: Student Chooses to Receive Emails**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **38** | Alter Views | 0.5 | 0.5 |
| **39** | Alter Controllers | 1 | 1 |
| **40** | Alter Model | 0.5 | 0.5 |
| **41** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 Total Hours: 3 | 3 | 3 |

## **ID 30: Parent Chooses to Receive Emails**

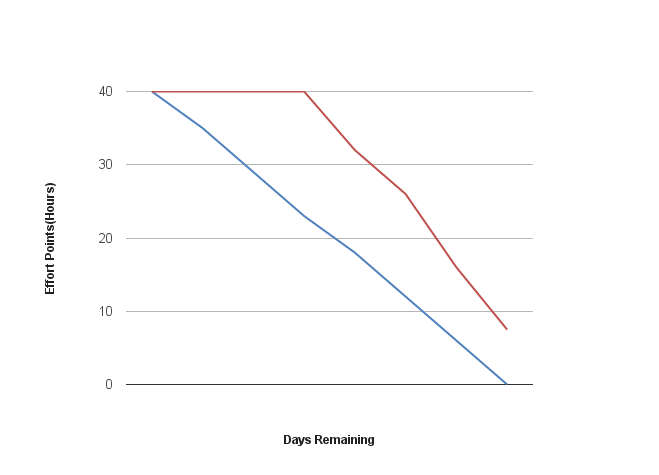
|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **42** | Alter Views | 0.5 | 0.5 |
| **43** | Alter Controllers | 1 | 1 |
| **44** | Alter Model | 0.5 | 0.5 |
| **45** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 Total Hours: 3 | 3 | 3 |

## **ID 45: Reset Password**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **46** | Create Views | 1.5 | 1.5 |
| **47** | Create Controller | 1.5 | 2 |
| **48** | Create Model | 1 | 1 |
| **49** | Activate Mailer | 1 | 2 |
| **50** | Alter Config for production | 0.5 | 1 |
| **51** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 16 Total Hours: 7 | 6.5 | 8.5 |

## **ID 47: Optional email registration form for Parents**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **52** | Alter Model | 1 | 1 |
| **53** | Alter Controller | 1 | 1 |
| **54** | Alter Views | 1 | 2.5 |
| **55** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 Total Hours: 5.5 | 4 | 5.5 |



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## **Sprint 4**

Total Story Points: 58

Total Hours:

Current Velocity: 0.81 story points an hour.

Massive increase, possibly due to incorrect story point estimation.

## **ID 5: Teacher View Timetable**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **1** | Determine method of achieving functionality. | 6 | 10 |
| **2** | Generate Model | 1 | 1 |
| **3** | Generate Controller | 1 | 1 |
| **4** | Create Views | 2 | 4 |
| **5** | Restrict Permissions | 0.5 | 1.5 |
| **6** | Verify story is complete (acceptance test) | 1 | 2 |
|  | Story Points: 32 Total Hours: 19.5 | 11.5 | 19.5 |

**ID 7: Owner Book Interview**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **7** | Create Model | 1 | 1 |
| **8** | Create Controller | 0.5 | 0.5 |
| **9** | Create necessary pages | 1 | 0.5 |
| **10** | Add functionality to add new availabilities | 2 | 0.5 |
| **11** | Add functionality to view all availabilities | 0.5 | 0.5 |
| **12** | Add functionality to edit availabilities | 0.5 | 0.5 |
| **13** | Add functionality to delete availabilities | 1 | 0.5 |
| **14** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 Total Hours: 5 | 7.5 | 5 |

## **ID 16: Student view timetable**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **15** | Create Views | 3 | 3 |
| **16** | Alter Controllers | 2 | 3.5 |
| **17** | Alter Permissions | 1 | 1 |
| **18** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 16 Total Hours: 8.5 | 7 | 8.5 |

## **ID 20: Anonymous User View Teachers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **19** | Alter Views | 2 | 2 |
| **20** | Alter Permissions in Controllers | 1 | 1 |
| **21** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 Total Hours: 4 | 4 | 4 |

## **ID 52: Google Analytics**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **22** | Sign up for Analytics | 1 | 1 |
| **23** | Place analytics code in pages of site | 1.5 | 1.5 |
| **24** | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 Total Hours: 3.5 | 3.5 | 3.5 |

## Chart

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## **Burn Down Chart**

