**Release and Sprint Plans**

**38 - PARR**

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Release Plan

# Release 1

Delivery date: 30th May 2018 Total Story Points:66

Provide a website for the Music School which allows users to register and book lessons with the available teachers. Teachers are able to set their availability through the website. Students can hire instruments from the school as well. The head of the music school will have access to the contact information for the students and teachers through the database, as well as having other administrator abilities.

## Registration

Potential students will be able to sign up for an account with the music school, or parents can create a student account on behalf of their child. All users will be able to log in using their individual accounts and will be directed to the appropriate view for their account. All users will be able to update their own details so that the music schools database is up to date. Users will also have the option to log out for privacy reasons.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S01 | User sign up | 8 |
| S02 | User log in | 8 |
| S03 | User logout | 4 |
| S05 | Update user details | 4 |
|  | Story Point Sub-Total: | 24 |

## Booking lessons

Students are able to book in lessons by using the booking system that has been created for them. In that booking page, they are able to search availabilities of the teachers/which teachers they want by in built search filters. Parents are able to book on behalf of their child by creating their own account which has same functionality as a student. Students can search their personal records to find which teachers they had previously so they can continue lessons with them. Teachers manage their own availability for lessons and their language/instrument abilities.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S04 | Student book lessons | 8 |
| S06 | Search previous teachers | 2 |
| S09 | Teachers managing availability | 4 |
|  |  |  |
|  |  |  |
|  | Story Point Sub-Total: | 14 |

## Managing users

The admin user is able to view all the teachers details that are stored in the database. This can be filtered to suit their needs. They can do the same for the students. For example, this means they can find the contact number of a particular student when required. Admin also add teachers to the database, as teachers require approval by the head of the school and can’t just sign up at will. The super admin has the ability to grant admin privileges to other teachers. When a student signs up for a lesson with a new teacher, both student and teacher should sign a online legal contract. It also adds a page that guest users can see which potential teachers can submit their details. Admin can use these details when looking to hire more teachers.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S07 | Accessing Teachers details | 4 |
| S08 | Accessing students details | 2 |
| S10 | Add a new teacher | 4 |
|  |  |  |
|  |  |  |
|  |  |  |
|  | Story subpoints | 10 |

## Managing instruments for hire

Students can hire a variety of instruments from the music store. They will be able to see the cost, condition and type of instrument. The admin can search the entire instrument database to see the current conditions, cost and availability of instruments. This can be filtered depending on their requirements at the time. Admin also manage the instruments condition so they are able to tell which instruments are needing to be repaired or made unavailable and can add new instruments.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S12 | Students hire instruments | 8 |
| S11 | Search available instruments | 2 |
| S13 | Add instruments | 4 |
| S14 | Manage instruments | 4 |
|  | Story Point Sub-Total: | 18 |

# Release 2

Delivery date:TBD Total Story Points:16

This release includes the feedback system where the focus is teachers being reviewed by the enrolled students and general website feedback. This release also focuses on the site statistics where the site traffic is being monitored to see where the potential customers are coming from. It will also give the admin users more ability and control within the database.

## Feedback system

Current students are able to review the teachers and are also able to give them general feedback about their performance. General users (both enrolled and unenrolled) will be able to give feedback about the website in terms with the design and what can be improved to make the website look better. Site statistics can be monitored by admin to have a general idea where traffic is coming from for new users.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S19 | Review teachers | 2 |
| S20 | website feedback | 2 |
| S21 | Site Statistics | 2 |
|  | Story Point Sub-Total: | 6 |

## Administrator duties

Potential teachers will be able to apply for teaching positions through the visitor website. This will then be viewed by the head of the music school and she will contact them if suitable. The admin is also able to create a legal contract between each student and teacher through the database to set the lesson times and cost. The super admin will also have the ability to give admin access to other teachers, so that they can assist with managing the school. Developers will also be given access the same way.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| S17 | Teachers employment | 4 |
| S15 | Creating teacher student contract | 4 |
| S16 | Giving admin access to other teachers and developers | 2 |
|  | Story Point Sub-Total: | 10 |

# 

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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 | | | |
| Release 1 | | | | Release 1 | | | | |

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

## Estimated Velocity

1 story point = 1 ideal day = 7.5 hrs of work  
(1.5 hrs / day \* 5 people)

5 people \* 4 weeks \* 5 days a weeks \* 1/3 = 34 ideal days per sprint

Sprint Plan

# Sprint 1

No completed user stories

# Sprint 2

Total Story Points:58 Total Hours:353  
Current Velocity: 58 story points

## Story ID 01: User Sign Up

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T00 | Create prototype guest homepage | 3 | 1 |
| T01 | Create guest home page | 6 | 7 |
| T02 | Create prototype sign up page | 3 | 1 |
| T03 | Create a webpage for user sign up | 5 | 4 |
| T04 | Create a form so that the details can be entered | 5 | 14 |
| T05 | Write code that allows the form to be transferred in to the student’s database. | 5 | 10 |
| T08 | Write code that prevents user from signing up again (account already exists) | 4 | 2 |
| T09 | Write code that shows error message if missing an important field | 4 | 2 |
| T10 | Write code that checks if all fields are logical | 3 | 2 |
| T11 | Write test cases | 3 | 2 |
| T12 | Test queries | 2 | 2 |
| T13 | Verify story complete | 1 | 1 |
|  | Story Points: 8 Total Hours: | 44 | 48 |

## Story ID 02: User log in

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T14 | Create prototype for login page | 3 | **1** |
| T15 | Create page for users to login | 6 | **4** |
| T16 | Create form for login details | 5 | **20** |
| T17 | Test detail queries | 5 | 7 |
| T18 | Write code for error message if there is a missing field | 3 | 2 |
| T19 | Write code for error message if details are invalid | 3 | 2 |
| T20 | Write code that redirects user to the homepage if their details are correct. | 6 | 14 |
| T21 | Write test cases | 3 | 3 |
| T22 | Test queries | 2 | 2 |
| T23 | Verify story complete | 1 | 1 |
|  | Story Points: 8 | 37 | 56 |
|  |  |  |  |

## 

## Story ID 03: User logout

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T24 | Create prototype for logout | 2 | **1** |
| T25 | Create button for users to logout | 3 | **2** |
| T26 | Write a code that will allow user to return back to home page once they clicked the button when logging out | 5 | **3** |
| T27 | Write code that prevents users to log back in unless they have re-entered their credentials. | 4 | 2 |
| T28 | Write test cases | 3 | 2 |
| T29 | Test queries | 2 | 1 |
| T30 | Verify story complete | 1 | 1 |
|  | Story Points: 4 | 20 | 12 |
|  |  |  |  |

## Story ID 04: Student book lessons

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T31 | Create prototype for booking page | 3 | 1 |
| T32 | Create prototype for booking table | 3 | 1 |
| T33 | Create a booking page with search functions (webpage only) | 4 | 7 |
| T35 | Create user fields for student to select what time they want to book | 3 | 14 |
| T36 | Allow search by timeslot | 3 | 4 |
| T38 | Allow search by instrument | 3 | 4 |
| T39 | Allow search by language | 3 | 4 |
| T43 | Save lesson selection to database | 3 | 10 |
| T45 | Write test queries | 3 | 3 |
| T46 | Test queries | 2 | 2 |
| T47 | Verify story complete | 1 | 1 |
|  | Story Points: 8 Total Hours: | 31 | 51 |
|  |  |  |  |

## Story ID 05: Update User Details

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T48 | Create prototype of user detail webpage | 3 | 1 |
| T49 | Create user detail webpage | 3 | 3 |
| T50 | Create form for updates | 4 | 10 |
| T51 | Write code that saves the updates | 3 | 14 |
| T52 | Write test queries | 3 | 3 |
| T53 | Test queries | 2 | 2 |
| T54 | Verify story complete | 1 | 1 |
|  | Story Points: 4 Total Hours: | 19 | 34 |
|  |  |  |  |

## Story ID 07: Accessing User’s details

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T61 | Create prototype for accessing users details | 3 | 1 |
| T62 | Create a database table for user’s details | 2 | 2 |
| T63 | Store existing user’s details | 4 | 3 |
| T64 | Create webpage that only admin can access | 3 | 2 |
| T65 | Display users details on webpage | 3 | 2 |
| T66 | Add search filters | 3 | 7 |
| T67 | Create test queries | 3 | 2 |
| T68 | Test queries | 2 | 2 |
| T69 | Verify story complete | 1 | 1 |
|  | Story Points: 4 Total Hours: | 24 | 22 |
|  |  |  |  |

## Story ID 9: Add a new teacher

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T86 | Create prototype | 3 | 1 |
| T87 | Create web page for adding a teacher | 3 | 2 |
| T88 | Create form for teachers details to be added | 4 | 3 |
| T89 | Write code that saves the details | 3 | 2 |
| T90 | Prevent teacher from being added if already in system | 3 | 4 |
| T91 | Create test queries | 3 | 3 |
| T92 | Test queries | 2 | 2 |
| T93 | Verify story complete | 1 | 1 |
|  | Story Points: 4 Total Hours: | 22 | 18 |
|  |  |  |  |

## Story ID 10: Search available instruments

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T94 | Create prototype | 3 | 1 |
| T95 | Implement a search function for checking instruments on the database from the site | 2 | 2 |
| T96 | Add search filters to categorise instruments | 2 | 1 |
| T97 | Update searches if an instrument is hired out | 2 | 3 |
| T98 | Create test queries | 3 | 3 |
| T99 | Test queries | 2 | 2 |
| T100 | Verify story complete | 1 | 1 |
|  | Story Points: 4 Total Hours: | 15 | 13 |
|  |  |  |  |

## Story ID 11: Students hire instruments

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T101 | Create prototype | 3 | 1 |
| T102 | Create page for instrument hire | 3 | 2 |
| T105 | Create form for student to fill out with their request | 3 | 7 |
| T106 | Save students selection in database | 3 | 10 |
| T107 | Update instruments availability | 3 | 4 |
| T108 | Write test queries | 3 | 3 |
| T109 | Test queries | 2 | 2 |
| T110 | Verify story complete | 1 | 1 |
|  | Story Points: 4 Total Hours: | 21 | 30 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Story ID 12: Add instruments

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T111 | Create prototype | 3 | 1 |
| T112 | Create web page for admin to add an instrument | 3 | 2 |
| T113 | Create a form for instrument details | 4 | 3 |
| T114 | Save instrument details to database | 3 | 7 |
| T115 | Update instrument availability | 3 | 4 |
| T116 | Write code to ensure all necessary info is provided | 3 | 4 |
| T117 | Write test cases | 3 | 3 |
| T118 | Test queries | 2 | 2 |
| T119 | Verify story complete | 1 | 1 |
|  | Story Points: 4 Total Hours: | 25 | 27 |
|  |  |  |  |

## Story ID 13: Manage instruments

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T120 | Create prototype | 3 | 2 |
| T121 | Create web page for admin to manage instruments | 3 | 2 |
| T122 | Display all the instruments and their condition on the page | 4 | 4 |
| T123 | Can select to filter by either instrument type or condition | 2 | 4 |
| T124 | Allow admin to change the condition/cost of an instrument | 3 | 4 |
| T125 | Save changes to the database | 2 | 7 |
| T126 | Write test cases | 3 | 3 |
| T127 | 6Test queries | 2 | 2 |
| T128 | Verify story complete | 1 | 1 |
|  | Story Points: 4 Total Hours: | 23 | 29 |
|  |  |  |  |

## Story ID 15: Giving admin access to other teachers and developers

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T138 | Create prototype | 3 | 2 |
| T139 | Write code that admin can modify teacher’s and developers access privileges | 3 | 3 |
| T140 | Allow the teachers to access the DB and the pages consisting of all the available details | 2 | 3 |
| T141 | Create test cases | 3 | 2 |
| T142 | Test queries | 2 | 2 |
| T143 | Verify story complete | 1 | 1 |
|  | Story Points: 2 Total Hours: | 14 | 13 |

## 

# Sprint 3

Total Story Points:18 Total Hours:116  
Current Velocity: 29 story points

## Story ID 06: Search Previous Teachers

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T55 | Create prototype for search function | 2 |  |
| T56 | Implement a search function for students to search teachers on the database from the site | 4 |  |
| T57 | Add search filters to categorise alphabetic either last name or first name. | 3 |  |
| T58 | Create test queries | 3 |  |
| T59 | Test queries | 2 |  |
| T60 | Verify story complete | 1 |  |
|  | Story Points: 2 Total Hours: | 15 |  |

## Story ID 08: Teachers Manage Availability

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T77 | Create prototype for setting availability | 3 |  |
| T78 | Create webpage for teachers to set availability | 3 |  |
| T79 | Create a form that allows teachers to set times | 4 |  |
| T80 | Save available times to database | 5 |  |
| T81 | Create a form that allows teachers to set skills | 3 |  |
| T82 | Save skills to database | 4 |  |
| T83 | Create test queries | 3 |  |
| T84 | Test queries | 2 |  |
| T85 | Verify story complete | 1 |  |
|  | Story Points: 4 Total Hours: | 28 |  |

## Story ID 14: Creating teacher student contract

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T129 | Create prototype | 3 |  |
| T130 | When student books with new teacher, create contract request | 3 |  |
| T131 | Create a page for contract approval (only admin can access) | 2 |  |
| T132 | Allow admin to confirm or reject contract | 2 |  |
| T133 | Create a page for contract forms so that the legal details can be entered and put in to the DB | 2 |  |
| T134 | Create a page to legally initial the contract for both students and teachers | 2 |  |
| T135 | Create test cases | 3 |  |
| T136 | Test queries | 2 |  |
| T137 | Verify story complete | 1 |  |
|  | Story Points: 4 Total Hours: | 20 |  |

## Story ID 16: Teachers employment

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T150 | Create prototype | 3 |  |
| T151 | Create a page that anyone can see for teachers to apply | 3 |  |
| T152 | Create a form for teachers to enter contact details | 4 |  |
| T153 | Save form to database | 4 |  |
| T154 | Write code that only allows them to apply once | 3 |  |
| T156 | Write test queries | 3 |  |
| T157 | Test queries | 2 |  |
| T158 | Verify story complete | 1 |  |
|  | Story Points: 4 Total Hours: | 23 |  |

## Story ID 17: Website feedback

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T166 | Create prototype | 3 |  |
| T167 | Create a page for user reviews | 3 |  |
| T168 | Create a comment box within the page for users to enter their feedback | 2 |  |
| T169 | Save all the feedback in the DB | 2 |  |
| T170 | write test cases | 2 |  |
| T171 | Test queries | 2 |  |
| T172 | Verify story complete | 1 |  |
|  | Story Points: 2 Total Hours: | 15 |  |

## Story ID 18: Site Statistics

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| T173 | Create prototype | 3 |  |
| T174 | Create a database to keep record of all the users on the site | 2 |  |
| T174 | Allow access to the developer of the database | 2 |  |
| T175 | Check for possible traffics on the site | 3 |  |
|  | Write test queries | 2 |  |
| T176 | Test queries | 2 |  |
| T177 | Verify story complete | 1 |  |
|  | Story Points: 2 Total Hours: | 15 |  |

# 