**Release and Sprint Plans**

**Team Number**

|  |  |
| --- | --- |
| Student Number | Team Member Name |
| N9510796 | Richard van Wyk |
| N9451013 | Anneke Kotze |
| N9694544 | Brenton Buchbach |
| N8540683 | Brendan Rothwell |
| N8779333 | Sara Alraddadi |
| N8983631 | Bhupinder Saini |
| N9062611 | Aditya Raja |

Tutor: Ms. Afsaneh Bahmani

Version: 1

Date: 15/08/16

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**Release Plan**

**Release 1**

Delivery date: 22nd September 2016    Total Story Points: 223

The Goals of the first release is to deliver all of the must have features to the client. These features should allow the client to demo the basic functionality of the website. The features being implemented are Registration, Resource Management, Timetable and Account Management, Teacher Recruitment and Parental Controls. By the end of the release, new students and parents should be able to register and apply for lessons. Teachers and students should be able to manage their timetables, new teacher should be able to apply and a basic inventory tracking system should be in place.

**Student and Teacher Registration**

This should allow for the accounts to be made, lessons to be booked and instruments to be assigned.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| AALV-60 | As a Student, I want to register to the music school so that I can attend classes there. | 13 |
| AALV-11 | As a student I want to apply for lessons at the school so that I can learn an instrument. | 11 |
| AALV-14 | As a student I want to hire an instrument from the school so that I have an instrument for my lesson. | 13 |
| AALV-12 | As a student I want to request a specific teacher so that I can be taught be someone I’m more comfortable with. | 11 |
| AALV-61 | As a teacher, I want to accept a student so that I can teach them. | 11 |
| AALV-27 | As a manager, I want to create teacher accounts so that new teachers can have access to the system. | 10 |
| AALV-58 | As a Student, I want to see what lessons are being offered at the school so that I can decide what I want to learn. | 11 |
|  | Story Point Sub-Total: | 80 |

**Resource Management System**

This feature should allow proper control over the inventory, such as adding, editing, removing and returning borrowed equipment.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| AALV-37 | As a manager, I want to add new instruments so that they can be viewed and hired. | 11 |
| AALV-32 | As a manager, I want to view instrument hire requests so that I can see what instruments are needed by students. | 11 |
| AALV-35 | As a manager, I want to mark instruments as returned so that it can be tracked and rehired. | 10 |
| AALV-59 | As a Student, I want to see what equipment I have hired so that I know what I have. | 10 |
| AALV-15 | As a student I want to view my instrument history so that I can rehire an instrument I’m used to. | 10 |
| AALV-29 | As a manager, I want to deactivate old accounts so that fired/retired teachers no longer have access to sensitive content. | 11 |
| AALV-64 | As a manager, I want to be informed when a specific instrument stock runs out so that I can buy more. | 9 |
|  | Story Point Sub-Total: | 72 |

**Timetable and Account Management**

This feature should allow teachers and students to modify their schedules so that their availabilities are known to the system, which affects the booking of lessons.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| AALV-5 | As a teacher I want to view my timetable at the music school so that I know when I have to be there to teach a lesson. | 13 |
| AALV-43 | As a teacher I want to change my availabilities so that I only get assigned students when I’m able to teach them. | 13 |
| AALV-13 | As a student I want to view my schedule and lesson details so that I can prepare for my classes. | 14 |
| AALV-17 | As a student I want to change my schedule and lesson times so that I can have my lessons at a more convenient time. | 14 |
| AALV-49 | As a Teacher, I want to update my professional details  so that students are aware of my abilities. | 9 |
| ALV-46 | As a teacher I want to contact admins so that I can discuss relevant issues such as illness, account problems and so on. | 8 |
|  | Story Point Sub-Total: | 71 |

**Release 2**

Delivery date:    Total Story Points: 221

This release focuses on the Should have Stories of the website, which will hopefully add value to various aspects of the core website, and integrate more currently manual tasks into it.

**Reporting and Contracts**

This feature introduces reporting and contracts to the website, which assists the business to generate the required documentation between teachers and student and also allows for various business reports to be generated specific to the existing features.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| AALV-31 | As a manager, I want to generate teacher-student and teacher-business contracts so that the business has the required legal work for employees and clients. | 13 |
| AALV-30 | As a manager, I want to generate business and IT reports so that I can analyse various aspects of the business and website. | 14 |
| AALV-4 | As a teacher I want to view information about my students so that I can prepare for my lessons with them. | 10 |
| AALV-8 | As a teacher I want to view lesson booking reports so that I am informed on what lesson times are in high demand. | 11 |
|  | Story Point Sub-Total: | 48 |

**Parental Controls**

This feature should allow the parents of children under the age of 18 to have access to their children’s accounts, and do all the functional things they are normally able to do for them.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| AALV-67 | As a parent, I want to have access to my child’s account, so that I can manage their account for them. | 12 |
| AALV-66 | As a parent, I want to add children to my account so that I will have access to them. | 11 |
|  | Story Point Sub-Total: | 23 |

**Stock Maintenance**

This feature should allow the parents of children under the age of 18 to have access to their children’s accounts, and do all the functional things they are normally able to do for them.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| AALV-33 | As a manager, I want to view and filter the instrument list so that I can find an instrument to edit. | 13 |
| AALV-36 | As a manager, I want to edit instrument details so that I can keep track of instruments more effectively. | 12 |
|  | Story Point Sub-Total: | 25 |

**Teacher Recruitment**

This feature should allow new teachers to apply for a position at the music school, as well as allow managers to respond and hire them.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| AALV-24 | As a manager, I want to view and filter teacher applicants so that I can find a teacher to respond to that fulfils my requirements. | 11 |
| AALV-25 | As a manager, I want to respond to teacher applicants so that I can inquire and offer teaching positions to them. | 9 |
| AALV-1 | As a teacher applicant I want to apply for a position at the school so that I can be considered for a job. | 12 |
| AALV-48 | As a Teacher Applicant, I want to get information about teacher benefits, rate of pay and employment so that I can compare this job with others. | 7 |
| AALV-26 | As a manager, I want to delete applicants so that I will only see relevant applicants. | 8 |
| AALV-65 | As a manager, I want to conduct an advanced search that included deleted teacher applicants so that I have a larger list of applicants to choose from for a job. | 12 |
|  | Story Point Sub-Total: | 59 |

**Student/Teacher Lesson Management**

This feature should allow new teachers to apply for a position at the music school, as well as allow managers to respond and hire them.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| AALV-55 | As a student, I want to change teachers so that I can have a teacher that satisfies my needs better. | 12 |
| AALV-53 | As a teacher, I want to request a student transfer so that I can stop teaching a student I'm no longer comfortable with. | 12 |
| AALV-54 | As a manager, I want to change the teacher assigned to a student so that I can fulfil student transfer requests. | 10 |
| AALV-51 | As a student, I want to cancel a lesson so that I do not have to attend. | 11 |
| AALV-56 | As a Teacher, I want to change a student's experience with an instrument so that their experience is properly documented. | 9 |
| AALV-10 | As a teacher I want to add notes to specific students so that I can teach them more effectively. | 12 |
|  | Story Point Sub-Total: | 66 |

**Release 3**

Delivery date:    Total Story Points: 77

Short paragraph summarising the goals for this release.

**Waiting Lists**

Short paragraph summarising this feature and its business value.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| AALV-68 | As a student, I want to apply to be on a waiting list for a instrument so that I can make sure I get an instrument to hire as soon as possible. | 14 |
| AALV-62 | As a student, I want to apply to be on a waiting list for a specific time slot so that I can get the lesson I want. | 12 |
|  | Story Point Sub-Total: | 26 |

**Application Tracking**

Short paragraph summarising this feature and its business value.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| AALV-2 | As a teacher applicant I want to track the status of my application so that I know whether or not I’m being considered for a job. | 13 |
|  | Story Point Sub-Total: | 13 |

**Online Payment**

Short paragraph summarising this feature and its business value.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| AALV-21 | As a parent I want to pay fees online so that I don't have to go through the hassle of bringing cash or sending cash with my child. | 15 |
|  | Story Point Sub-Total: | 15 |

**Student Teacher Meetings**

Short paragraph summarising this feature and its business value.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| AALV-7 | As a teacher I want to view or manage my student/parent meetings so that I can organise them into my schedule. | 12 |
| AALV-16 | As a student I want to arrange a meeting with a teacher so that I could discuss my position and development so far. | 11 |
|  | Story Point Sub-Total: | 23 |

**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 | | Release 4,5,.. | | | | | |

Estimated Velocity:

The estimated Velocity is calculated with the following assumptions:

Members in the group: 7 people

Time Contribution per week per member: 8-10 hours

This equates to 56 - 70 hours per week, or 112 - 140 hours per sprint.

That gives 224-280 hours per release.

Since not all members are developers however, we are limited in terms of developer hours.

To compensate for this, the sprints will be kept close to the lower limit (220-230 hours per release) in terms of development, otherwise estimates will be too ambitious for the team.

**Sprint Plan**

**Sprint 1**

Total Story Points:     Total Hours:

Current Velocity: 8 development hours per person per week.

**AALV-60: Student - Register**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
|  | Create Database table for students | 2.5 |  |
|  | Create Registration Page for students | 4.5 |  |
|  | Create angular app for validation and registration | 5 |  |
|  | Test Student Registration | 1 |  |
|  | Story Points: 13    Total Hours: | 13 |  |

**AALV-11: Student - Apply for Lessons**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
|  | Create Database table for application | 2 |  |
|  | Create Lesson Application page | 4 |  |
|  | Create angular app for application processing | 4 |  |
|  | Test Student lesson applications | 1 |  |
|  | Story Points: 11    Total Hours: | 11 |  |

**Story ID: Title**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | Story Points:     Total Hours: |  |  |

|  |  |  |
| --- | --- | --- |
| AALV-14 | **As a student I want to hire an instrument from the school so that I have an instrument for my lesson.** | **13** |
| AALV-12 | As a student I want to request a specific teacher so that I can be taught be someone I’m more comfortable with. | 11 |
| AALV-61 | As a teacher, I want to accept a student so that I can teach them. | 11 |
| AALV-27 | As a manager, I want to create teacher accounts so that new teachers can have access to the system. | 10 |
|  |  |  |
| AALV-58 | As a Student, I want to see what lessons are being offered at the school so that I can decide what I want to learn. | 11 |
| AALV-37 | As a manager, I want to add new instruments so that they can be viewed and hired. | 11 |
| AALV-32 | As a manager, I want to view instrument hire requests so that I can see what instruments are needed by students. | 11 |