andrew pdfs

Obey the Testing Goat!

Two scoops of django (good, skips ahead, goes straight to best practice)

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| **#** | **As** | **I need** | **So that** | **Priority** | **Story Points** |
| 1 | The Owner of the business | Plan a well-designed GUI that user friendly | * The website can be easy to use for new teachers, students and parents.   1 ---  **Acceptance Criteria**   * --- | Must | 7 |
| 2 | The Owner of the business | A separate “manage” portal / page | 1. I can arrange contracts, manage lesson participants and times, reschedule/cancellations and view if instruments have been hired, by whom at what cost/condition. 2. A unique username and password created for the user (owner) via the Django Authentication System and User API 3. The user will have access (permissions) to information set consequently via the User API e.g. Owner has permissions to remove add and remove users e.g. A Teachers record from the database can be deleted if they have resigned 4. User can then log in via the Admin interface provided from the Django framework from the website (address/admin) 5. The user can view information returned from the database via the Admin interface by implementing the Model API 6. Implementing the Model/Object API The user has basic CRUD functionality 7. The user has query options e.g. can view records of hired instruments by which Students from a given date by implementing the Model API   **Acceptance Criteria**   * Test driven development practices, unit tests pass * User understands how to navigate the Admin interface (training) * Correct configuratiom (views, settings and url) * Communication with the backend (database) for user * Can query records from the database backend | Must | 9 |
| 3 | A Teacher | A log in portal / client access page | * So that I can manage my students and lessons. Update my personal details. * Advise if I am available for a lesson or not (booked out, sick, etc).  1. The user (Teacher) can register via a form by implementing the the Django Authentication System and the Forms API 2. The user will have their own unique username and password created by implementing the Django User and Forms API 3. The user will have access to information set consequently via the User API i.e. the teacher has staff level permission to view records of other Teachers and Students 4. user can log in via the Admin interface with admin (staff) permissions provided via the Django User API (address/admin) 5. user can query their own records (personal information) and their Students records via the Admin interface by implementing the Model API   **Acceptance Criteria**   * Test driven development practices, unit tests pass * User understands how to navigate the Admin interface (training) * Correct configuration (views, settings and url) * Communication with the database backend for user * Can query records from the database backend | Must | 9 |
| 4 | A Student or Parent | A log in portal / client access page /enrollment | 1. As a new or existing client, I can view/manage lessons, lesson scheduling/cancellations, lessons preferences and update my personal details online. 2. A login page created for the users Students or Parents 3. The user will have their own unique username and password created by implementing the Django User and Forms API 4. ---   **Acceptance Criteria**   * --- | Must | 8 |
| 5 | The Owner of the business | A database for the website | * I can track and manage past, current and future students and teachers. As well as, their personal information such as: age, sex, languages, lesson type/frequency and any other preferences  1. Create the database (schema) implementing the Django framework or DBMS (MYSQL/PostgreSQL) 2. Relations created either with Django or the DBMS e.g.    * + - Teacher        - Student        - Parent        - Instrument        - Enrollment        - TermPayment        - Enquiry 3. Added fields e.g.    * teacherID    * fName    * lName    * gender    * dob    * email    * phone 4. Enforced data integerity e.g. dob is of type DateTime 5. Denoted keys and their associations (Primary and Foreign) 6. Stored procedures for most frequent queries 7. Indexes for most frequented relations 8. Yak yak yak   **Acceptance Criteria**   * --- | Must | 9 |
| 6 | The Owner of the business | The data linked to the website | * The website can display information from the database and save information to the database | Must | 6 |
| 7 | A Teacher | An application page or apply to become a teacher | * I can apply to become a music teacher and complete any specific processes required in accordance with the Music School  1. An application page implementing the the Django Authentication System and the Forms API 2. The form contains text fields for contact information e.g.  * Name * Address * Phone * Email  1. The form contains select fields (check boxes) for a given specialization e.g.  * Trombone * Violin * Guitar * Voice  1. The form contains a text fields for skill and experience level 2. All fields have sanity/validation checking via the Forms API 3. ---     **Acceptance Criteria**   * --- | Must | 8 |
| 8 | A Student or Parent | An “About Us” page | * I can find out what my child’s/children’s lessons will consist of, what instruments my child/children could learn, how long the lessons can run for, what hours of the day can lessons be booked, what days of the week can lessons be booked, how qualified teachers are, details on each teacher hired at Pinelands Music School, what learning outcomes will my child/children receive after taking the lessons, policies, and if I can accompany my child/children in his/her/their lesson. | Must | 6 |
| 9 | The Owner of the business | A contact Us/About Us page with a map showing the location and address of the school on the contact page. As well as, email address and phone number. | * So that new teachers or students can come and see where they will be teaching/learning or just to talk to the owner in person. * I can inform students and parents on what lessons will consist of, what instruments can be learned, how long the lessons can run for, what hours of the day lessons can be booked on, what days of the week can lessons be booked on, how qualified teachers are, details on each teacher hired at Pinelands Music School, what learning outcomes students receive after taking the lessons, policies, and if parents can accompany their child/children in his/her/their lesson. | Must | 5 |
| 10 | A Student or Parent | An instruments/ instrument hire page | * I can hire an instrument required for my lesson appropriate to my needs and finances/budget. | Must | 5 |
| 11 | The Owner of the business | Social media linkages | * I can promote, advertise and market my business through the means of Facebook, Instagram, Linked In, etc. | Could | 4 |
| 12 | A Student or Parent | A contact/enquiry page | * I can get in touch with the Music School via a communication method that is best suitable to me. | Could | 3 |
| 13 | A Teacher | A contact page | * I can get in touch with the Music School via a communication method that is best suitable to me. | Could | 3 |
| 14 | The Owner of the business | A feedback page | * So that I can receive feedback from students about the teachers that taught them and use the feedback to see if any improvements are needed to better the student’s experience. | Could | 4 |
| 15 | The Owner of the business | Testing Capabilities | * I can validate the functionality of the website. * Eradicate any bugs that are found. * Check if the product meets my requirements and/or preferences. | Would | 7 |
| 16 | The Owner of the business | Security for the website | * The website can be protected from hackers and personal information will be kept safe. | Would | 4 |
| 17 | The Owner of the business | Backup storage procedure | * If the database corrupts or database turns off by itself. The database will have a backup, so no data will be lost. * … Database backups MYSQL dump * … Amazon AWS 12bucks a month * On site automated backup (database dump) to a local server * Register backup and recovery plan e.g. AWS storage solution | Would | 3 |
| 18 | The Owner of the business | A welcome page for my website | * I can navigate to other areas of my website in a coherent and structured manner. * Links that should be available from here are: Enrolments, Teachers, Instrument Inventory/Hiring, Contact Page, Feedback page, and a Login portal for clients. | Would | 4 |
| 19 | A Student or Parent | A payment portal | * I can pay my tuition fee implementing options such as PayPal, keying in credit/debit card details. | Would | 4 |
| 20 | A Student or Parent | A “Request for transcripts” tab | * I can download or receive via email of past grade transcripts for employers’ reference in job interviews. | Would | 3 |
| 21 | A Student or Parent | A “Reviews” tab | * I can read reviews about Pinelands Music School before confirming my enrolment at Pinelands Music School. | Would | 2 |
| 22 | A Student or Parent | An “Events” tab | * I can be aware of students’ or teachers’ gigs so that I can support them after school hours. | Would | 1 |
| 23 | The Owner of the business | Mobile cross-compatibility | * I can provide a robust, cross platform/browser solution for clients and customers. | Would | 6 |
|  |  |  |  | Total: | 120 |