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**Version 1.0**

Website Requirements Specification

Requirements & Proposed Design

# Requirements

## Visitor Interaction

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| --- | --- |
| Requirements | Description |
| Video introduction | Have a short video on each page to introduce users to the need of studying Linux. |
| Past student testimonials | Show testimonials from other students |
| See prospective pathways | Provide information on various paths and careers in Linux administration using interactive buttons. |
| Income Gains | Inform users through graphics of the increased income Linux administration provides |
| Use less technical terms | Keep information as descriptive and clear as simple for every type of user to comprehend |
| Use of graphics and visual aid | Enable non-IT users to have a grasp of what the website is about |
| Have a chatbot | To help their interaction and to resolve their questions |
| Have a FAQ page | To provide answers to generally asked questions |
| Request more information | A tab to request more information and details about the program |

## Account Management

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| --- | --- |
| Requirements | Description |
| Creating accounts | Users can sign up using:   * Email * Facebook * Google |
| Linking account to third party apps | Users would be allowed to promote referrals to their friends and connections on social media. Hence, the need for the links. |
| Password length | Accounts created using email, would require users to use a password of at least 10 characters. |

## Booking, Editing and Updates

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| --- | --- |
| Requirements | Description |
| Accessing class schedules | Have a view of past, ongoing and current classes held. |
| Display the various class schedules | * Monday and Wednesday evenings * Weekends * Tuesday and Thursday Evenings |
| User registration restrictions | * Prevent users from enrolling into a class that has been ongoing for 1 day or more. * Classes that have already began show in the class schedules as ongoing but cannot be enrolled into. |
| Register for a class | Users provide details to create an account for them after they have enrolled in the class. |
| **Choosing sessions** | **Allow users to pick a session after they have enrolled into the program** |
| Edit schedule | Allow users to edit and change schedules only within 3 weeks after a session has began. |

## Sitemap and Navigation

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| --- | --- |
| Requirements | Description |
| Search box | Should be seamlessly and effectively connected with keywords and pages to help users. |
| Links to Home, About, Contact Us, User Account, Pricing and FAQs on all pages | To improve user navigation. |
| Login | After a user logs in, there should see:   * Their outstanding fees or credit if any. * See their schedule and course resources * A tab to contact instructor * Interesting resources to help them level up after the class. |

**Content Management**

|  |  |
| --- | --- |
| Requirements | Description |
| A news feed plugin | * Keep the site up to date with statistics for the job market demand for Linux administrators. * The growth of the field and salaries |
| Articles from successful alumni | These would serve to spike the interest of non-IT users to want to delve into IT. |
| Linux Admin and IT Blog | Blog to serve as a community for alumni, IT professionals, students and aspiring students. |

**Tracking (Website Statistics)**

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| --- | --- |
| Requirements | Description |
| Privacy Policies and Tracking | Notify users that only cookies and browsing history on the site is collected. They can opt out of the cookie collection. |
| Study user’s behavior on website | Implement solutions for FAQs that are not yet available. |
| Track users’ interest | Advertise products and services to users based on their learned history |

## Search Engine Optimisation (SEO)

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| --- | --- |
| Requirements | Description |
| Use of keywords to attract users | Direction of users from sites hinting new IT skills to learn to website, available products and services offered. |
| Running ads | Ads on Google and other search engines to draw users who make searches on Linux, learn Linux, among others relating to products offered |

## Pricing

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| --- | --- |
| Requirements | Description |
| Tab on pricing available | Clear details of the pricing of products and services and installment plans available. |
| Refund Policy | Full refund provided if requested within 2 weeks of enrolling into the program.  Partial refund if requested within a month.  No refund available if requested after one month a class session has begun. |

## Payment

|  |  |
| --- | --- |
| Requirements | Description |
| Payment platforms | Apple pay, Google pay, Visa and Cashapp would be supported |
| Tab on pricing available | Clear details of the pricing of products and services and installment plans available. |
| Refund Policy | Full refund provided if requested within 2 weeks of enrolling into the program.  Partial refund if requested within a month.  No refund available if requested after one month a class session has began. |

## Security

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| --- | --- |
| Requirements | Description |
| SSL and TLS | Available throughout the website to securely verify and encrypt user credit card, financial and personal details. |
| Captcha on login and signup pages | To reduce the success of bots and attackers stealing information from the website. |
| Secure WordPress pages and plugins | Verify plugins, themes and other web features produced by WordPress to ensure their safety. |
| Updated Browser Version | Prompt users to move to an update browser version when about to make payments, login or register. |

## Front-end Design

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| --- | --- |
| Requirements | Description |
| Interactive and intuitive buttons and tabs | Creation and placement of buttons, designs and tabs that can be efficiently used by users. |
| Very clean and clear fonts and styles | The use of fonts that direct users to the right information without distracting them or allowing them to lose information. |

## Back-end Design & Integrations

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| Requirements | Description |
| Efficient integrations with the WordPress core | WordPress does not provide 100% access to the site’s setting hence the need for integrations that is seamlessly supported by WordPress without lags and hiccups. |

## Testing & Quality Assurance

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| --- | --- |
| Requirements | Description |
| Unit Testing | Testing each function, tab, plugin and webpage in that order to cover small pieces of code to the largest before making any integrations. |
| Integration Testing | Testing the site during integrations to check whether are working as they should and have not generated any problem or vulnerabilities. |
| System Testing | Run a system testing after the entire product is ready to fix problems we missed earlier or were not present during the previous tests. |

## Hosting

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| --- | --- |
| Requirements | Description |
| Privacy and Data Policy | Ensure that the hosting vendor upholds the privacy and data policies of our users and us. |
| Automation Support and Flexibility | Ensure the hosting vendor supports automating features and settings on the website and flexible updates to content. |
| Support website features and integrations | Allowing users to enjoy the full user experience. |

## Mobile Device Response/Compatibility

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| --- | --- |
| Requirements | Description |
| Including modules and plugins for mobile device access | Enhancing user experience on mobile devices |
| Screen size compatibility | Allow webpages to load and refresh efficiently on mobile devices |