Software Requirements Specification
Version 1.0

NextStep Navigator

Your Guide to the Future

Theme: **Career Passport**

Category: **Responsive NextGen Website Development**

Table of Contents

1.1 Background and Necessity for the Website

In the current educational and professional environment, individuals are faced with an overwhelming number of career choices, educational opportunities, and pathways. Many students, fresh graduates, and even working professionals often struggle to align their personal interests and strengths with suitable career options. Despite the availability of information online, lack of simplified, structured, and easy-to-navigate platform prevents users from making informed decisions early in their academic journey.

There is a growing demand for a self-guided, accessible career exploration tool that is user-friendly, visually engaging, and informative. A Website that provides career guidance resources using modern front-end technologies can bridge this gap effectively.

1.2 Proposed Solution

The proposed solution is to develop a Website called **'NextStep Navigator'** for career guidance. The Website aims to provide a structured, informative, and interactive static Web platform that guides users through various career possibilities based on their academic level and interests.

The Website will be segmented into categories such as school students, graduates, and working professionals each offering tailored content relevant to their stage. It will include features such as a career bank with filterable profiles, an interest-based quiz for self-discovery, multimedia resources including videos and podcasts, and a digital resource library with articles, e-books, and guides.

It will showcase motivational success stories and provide general admission and career counseling tips through pre-designed static content. All the data will be presented using JSON or text files, with no backend processing or data storage, ensuring ease of deployment in both connected and limited-infrastructure environments. The platform will be fully responsive, visually appealing, and accessible across devices making it suitable for institutions, career fairs, and individual exploration.

1.3 Purpose of the Document

The purpose of this document is to outline the functional, non-functional, and technical requirements for the development of the 'NextStep Navigator' Website. This SRS defines the goals, scope, features, constraints, and user expectations for the Website.

This document outlines the objectives and features of the Website, its user interfaces, the functions it is expected to perform, and the constraints under which it must operate. It is intended to serve as a reference for both the stakeholders and the developers involved in designing, building, and maintaining the Website.

1.3.1 Who Can Use this Document?

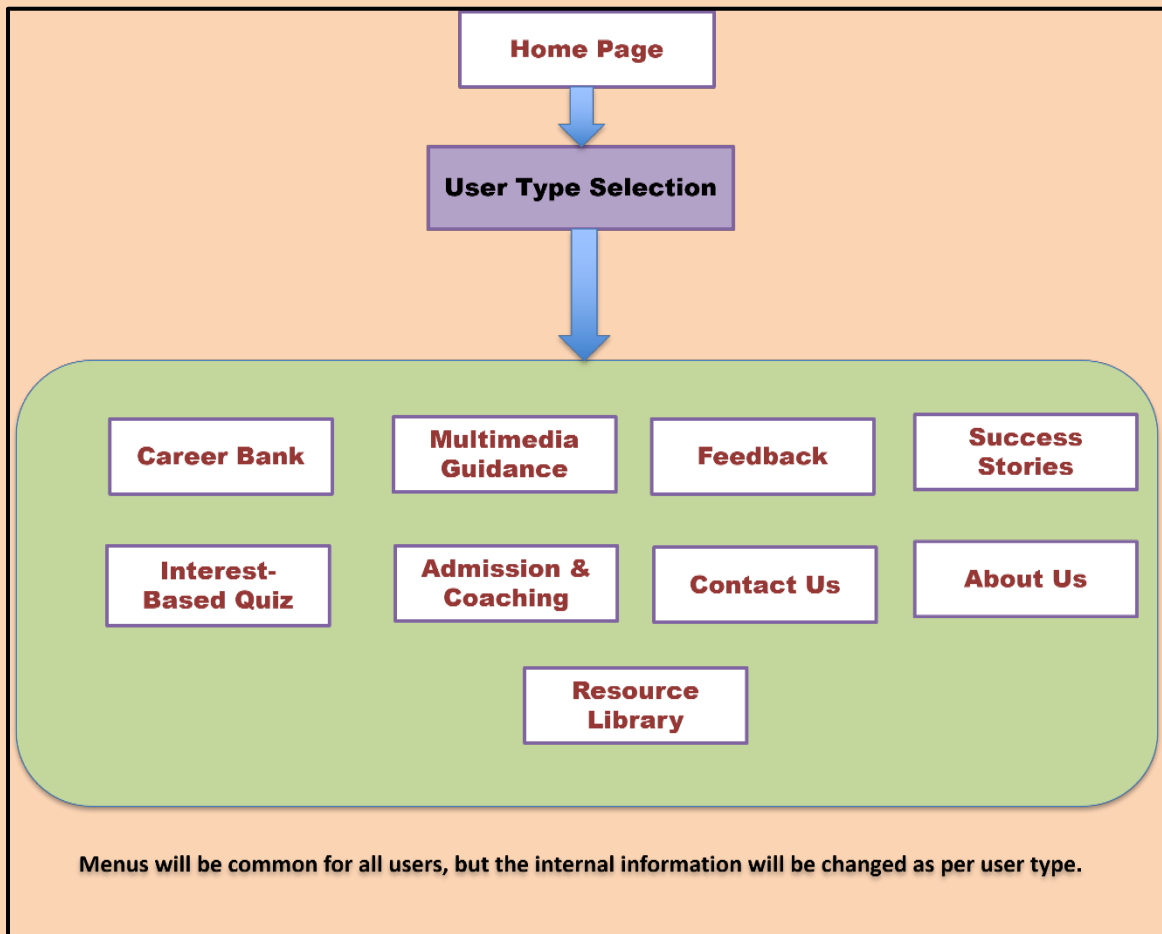Stakeholders and developers of the portal

Landing Page

UG: Undergraduate (Bachelor's Degree)
PG: Postgraduate (Master's Degree)

Upon selecting an option, the respective pages should be displayed.

Based on the type of user, appropriate menus should be displayed (although the content of Contact Us and About Us will remain same for all types of users).

```
                          ┌─────────────────┐
                          │   Home Page     │
                          └────────┬────────┘
                                   │
                                   ▼
                          ┌─────────────────┐
                          │ User Type Selection │
                          └────────┬────────┘
                                   │
                                   ▼
```

Career Bank	Multimedia Guidance	Feedback	Success Stories
Interest-Based Quiz	Admission & Coaching	Contact Us	About Us
	Resource Library		

Menus will be common for all users, but the internal information will be changed as per user type.

1.4   Scope of Project

The **'NextStep Navigator'** project is designed to be a fully static, browser-based Web platform that helps users explore potential career paths in a guided and interactive manner. The Website will cater to multiple user segments such as students, graduates, and working professionals by presenting relevant career information based on their current stage and goals.

It will include a dynamic career bank with filterable career profiles, an interest-based self-assessment quiz, embedded multimedia content such as expert videos, podcasts, and a digital resource library consisting of downloadable articles, e-books, and reference materials.

The platform will also highlight motivational success stories and general admission or career guidance through curated static pages. The platform will be responsive, ensuring compatibility across desktops, tablets, and mobile devices. It will be suitable for use in academic institutions, career fairs, community centers, and offline environments where lightweight and non-dynamic career guidance tools are required.

1.5   Constraints

The Web portal will not have any facility to store information on the server. Information can be fetched from JSON/TXT files and users can view the same being displayed, however, information cannot be written to the files from within the portal.

1.6   Functional Requirements

The portal will be designed as a Single-Page-Application (SPA) and responsive Website with a set of pages and menus that represent choice of activities to be performed. Pages, menus, and other visual elements must be designed in a visually appealing manner with attractive fonts, colors, and animations. All of these should also be laid out in a responsive manner.

Following are the functional requirements of the portal:

Note: For several of these options, information will be retrieved from a pre-populated JSON file and displayed. (Hint: Use AngularJS directives, filters, services, controllers OR ReactJS components, modules and other features to implement this).

Menu and Web Page Functionality:

🏠 Home Page

Display Elements:
  ‣   Platform logo, animated heading, and introductory text.
User Prompt:
  ‣   A selection form using radio buttons or drop-down to choose user type:
  ‣   Student (Grades 8–12), Graduate (UG/PG), Working Professional/Career Changer
Functionality:
  ‣   Based on the selection, a dynamic menu appears showing tailored resources.
  ‣   A personalized greeting is shown (for example, "Welcome, Future Engineer!").
  ‣   Capture username from the home/landing page and display it on the top bar (session-only).

Upon selecting an option, the respective page should be displayed, where relevant information should be seen based on the type of user.

Note: Following menus will be common for all users, but the internal information will be changed as per user type.

Career Bank

This feature/menu:
- Displays a catalog of careers loaded from JSON files.
  Each career card includes:
  - Title, Description, Required Skills, Educational Path, Salary Range, Image/Icon.
- Provides Filtering options by industry (Example: Healthcare, Technology, Business, and so on).
- Provides Sorting options by salary range or alphabetical order.

Interest-Based Quiz

Under this:
- Interest term can be accepted via drop-down list.
- A multiple-choice quiz is provided based on selected interest. Data for this can be loaded from JSON files.
- You can use HTML5 and JavaScript logic to evaluate choices and suggest matching streams for higher education.
- Display recommendations dynamically without storing data.

Multimedia Guidance

This includes:
- Embedded videos or podcasts of professionals sharing insights and career advice.
- Static content loaded from JSON (YouTube links, transcripts).
- Filterable by user type or category (Example: motivation, job roles, internships, and so on).

Success Stories Section

- Showcases inspirational stories in card format with photos, names, and brief journey.
- Displays option to filter by domain (for example, engineering, medicine, arts, and so on).
- It can be loaded from static datasets.

Resource Library

This menu/feature:

- ‣ Provides access to PDF guides, blog links, career tips, and visual infographics.
- ‣ Groups resources by type: Articles, eBooks, Checklists, and Webinars.
  - o Each resource includes a static link and description.
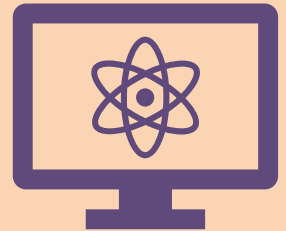
Feedback

- ‣ A simple UI form with fields: Name, Email, and Message (no actual submission).

Admission and Coaching Section

Displays pages on:

- ‣ Stream Selection (post-10th)
- ‣ Study Abroad Guidelines
- ‣ Interview Tips (for Graduates and working professionals)
- ‣ Resume Guidelines (for Graduates and working professionals)

Static HTML sections: each topic has descriptive content and visuals.

♣ *For all the user types, following information should be displayed:*

Content Bookmarking System

- ‣ Favorite careers and resources
- ‣ Personal notes attached to content
- ‣ Export bookmarks as formatted list
- ‣ Share recommendations via social links

(Hint: You can implement this using a combination of various frontend technologies)

Contact Us

This page includes static team contact information, with Google maps showing location.

About Us

This page includes static information about the team and the portal.
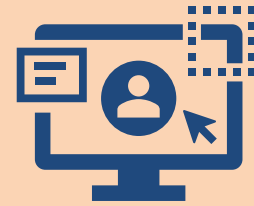
User Interface Features

- ▸ Simulated visitor counter using JavaScript.
- ▸ Real-time clock and location using browser geolocation.
- ▸ Hover effects and animated transitions for interactive feel.
- ▸ Breadcrumb navigation for better UX.
- ▸ Dummy login/signup buttons for design continuity (non-functional).

Note: Following features should be added wherever applicable:
- ✓ Related content suggestions
- ✓ Recently viewed items tracking

Important: Do NOT use boilerplate templates or readymade templates for development as it will adversely affect your evaluation. Your own Website design and development skills will be tested, hence no third-party templates should be used here.

Do NOT copy content or code from GPTs or other AI tools, although you are permitted to use images generated by AI tools for any visual representation purposes. It is mandatory to mention such tools used in case you add any AI generated images.

1.7   Non-Functional Requirements

There are several non-functional requirements that should be fulfilled by the Website. The Website should be:

Safe to use: The Website should not result in any malicious downloads or unnecessary file downloads.

Accessible: The Website should have clear and legible fonts, user-interface elements, and navigation elements.

User-friendly: The Website should be easy to navigate with clear items and other elements and easy to understand.

Operability: The Website should operate in a reliably efficient manner.

Performance: The Website should demonstrate high value of performance through speed and throughput. In simple terms, the Website should be fast to load and page redirection should be smooth.

Capacity: The Website should support large number of users.

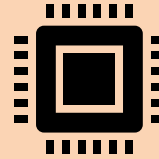**Availability:** The Website should be available 24/7 with minimum downtime.

Compatibility: The Website should be compatible with latest browsers.

> **These are the bare minimum expectations from the project. It is a must to implement the functional and non-functional requirements given in this SRS.**
> **Once they are complete, you can use your own creativity and imagination to add more features if required.**

1.8   Interface Requirements

Hardware

- Intel Core i5/i7 Processor or higher
- 8 GB RAM or higher
- Color SVGA monitor
- 500 GB Hard Disk space
- Mouse
- Keyboard

Software

- IDE: Visual Studio Code, Coffee Cup, Notepad++, or any other HTML5 editor

- Frontend: HTML5, CSS3, JavaScript, jQuery, Bootstrap/Angular/ReactJS, XML, and Figma UI Toolkit

- Data Store: JSON files or TXT files

TIME TO THINK ABOUT SUCCESS

1.9   Project Deliverables

You will design and build the project and submit it along with a complete project report that includes:

- ❖ Problem Definition
- ❖ Design specifications
- ❖ Diagrams such as flowcharts for various activities, Data Flow Diagrams, and so on
- ❖ Test Data Used in the Project
- ❖ Project Installation Instructions (if any)

Documentation is considered a very important part of the project. Ensure that documentation is complete and comprehensive. **Documentation should not contain any source code.** The consolidated project will be submitted as a Source Code zip file with a ReadMe.doc file listing assumptions (if any) made.

Submit a video (.mp4 file) demonstrating the working of the Website including all the functionalities of the project. This is MANDATORY.

Optionally, a live hosted URL can be supplied for the site. Over and above the given specifications, you can apply your creativity and logic to improve the portal.

~~~ End of Document ~~~