Create a web application with an option to upload a CSV file of 1 lakh or more records, where the application should read the records, process it, and push to the database table.

FRONT END TOOLS:

Bootstrap:

➢ Bootstrap is an open-source Javascript framework developed by the team at Twitter. It is a combination of HTML, CSS, and Javascript code designed to help build user interface components. Bootstrap was also programmed to support both HTML5 andCSS3.Also it is called Front-end-framework.

➢ Bootstrap is a free collection of tools for creating a websites and web applications. It contains HTML and CSS-based design templates for typography, forms,buttons, navigation and other interface components, as well as optional JavaScript extensions.
Some Reasons for programmers preferred Bootstrap Framework:
1. Easy to get started
2. Great grid system
3. Base styling for most HTML elements(Typography,Code,Tables,Forms,Buttons,Images,Icons)
4. Extensive list of components
5. Bundled Javascript plugins

Why Use Bootstrap?

Following are the main advantage of Bootstrap:
➢ It is very easy to use. Anybody having basic knowledge of HTML and CSS can use Bootstrap.
➢ It facilitates users to develop a responsive website (can automatically adjust itself to look good on all devices, from smart phones to desktops etc.).
➢ It is compatible on most of browsers like Chrome, Firefox, Internet Explorer,Safari and Opera etc.

What Bootstrap Package Contains?

Scaffolding:Bootstrap provides a basic structure with Grid System, link styles, and background.
CSS:Bootstrap comes with the feature of global CSS settings, fundamental HTML elements style and an advanced grid system.

Components: Bootstrap contains a lot of reusable components built to provide iconography,dropdowns, navigation, alerts, pop-overs, and much more.

JavaScript Plugins:Bootstrap also contains a lot of custom jQuery plugins. You can easily include them all, or one by one.

Customize: Bootstrap components are customizable and you can customize Bootstrap&components, LESS variables, and jQuery plugins to get your own style.

Primary Bootstrap Files:

As a front-end framework, Bootstrap has three primary files:

☐ bootstrap.js which is a jQuery/JavaScript framework.

☐ bootstrap.css which is a CSS framework

   glyphicons which is a set of icon fonts jQuery, which is quite widely used and very popular JavaScript library, is required for Bootstrap to function. It adds cross browser compatibility and simplifies JavaScript.

BUSINESS LOGIC WITH PHP:

What Exactly Is Php?

➢ PHP stands for Hypertext Preprocessor.
➢ PHP is an interpreted language, i.e., there is no need for compilation.
➢ PHP is a server-side scripting language.
➢ PHP is faster than other scripting languages, for example, ASP and JSP.

Why Use Php?

➢ PHP is open source and free.
➢ Short learning curve compared to other languages such as JSP, ASP etc.
➢ Large community document
➢ Most web hosting servers support PHP by default unlike other languages such as ASP that need IIS. This makes PHP a cost effective choice.
➢ PHP is regular updated to keep abreast with the latest technology trends.
➢ Other benefit that you get with PHP is that it's a server side scripting language;this means you only need to install it on the server and client computers requesting for resources from the server do not need to have PHP installed; only a web browser would be enough.
➢ PHP has in-built support for working hand in hand with MySQL; this doesn't mean you can't use PHP with other database management systems.

UPLOAD CSV FILE USING PHP:

This type of feature mainly used if you have manage online store or online restaurant booking system in which you want to update data on daily basis. For example, suppose you have run online store and on your website home page want to display daily different product then at that time if you have build this type of feature for your web application. By using this feature you can easily update existing data and that data you can display on your web application. So this way you can use this feature for display different data on your web application.

In simple terms by uploading file you can edit large amount of data in single click event. For developed this type of simple application we just want knowledge of PHP script filesystem function. Here we have used fopen() and fclose() function for open file for data from particular file. After this we have use fgetcsv() function, by using this function we can get comma separated values data in array format. After getting CSV data in array format, then after we have make simple mysql update data query for edit existing data in database. This way we can create data of Mysql table by using CSV file using simple PHP script.