User Manual

CSBEES

:: The Open Source Notes Sharing Application ::

[**http://www.csbees.neurals.in**](http://www.csbees.neurals.in)[**https://github.com:/hay-wire/csbees**](https://github.com:/hay-wire/csbees)

**Installation and Configuration**

1. **Installing AMPP Server** 
   1. Apache2 or higher (A)
   2. MySql 5.5 or higher (M)
   3. PHP 5.3 or higher (P)
   4. PHPMyAdmin 5.5 or higher (P)
2. **Creating a Facebook app:** 
   1. Create a Facebook app with permissions for email, user\_details and posting.
   2. Note this apps id and app secret.
3. **Installing the Database:**
   1. Open PHPMyAdmin and create a new database “csbees” with collation: “utf8-unicode-ci”
   2. Create a new user “haywire” and allocate him csbees with all privileges.
   3. Now import “CSBees-Root/sqls/installation.sql” file into database csbees to create all the tables.
4. **Copying files to the server:**
   1. Extract “CSBees-X.Y.tar.gz” to document root of your server. Rename the folder to “csbees” (called as CSBees-Root in this entire document)
   2. Open “includes.php” in CSBees-Root folder and set the environment details as described in the comments.
   3. Set the correct host-name:localhost, folder name:csbees, mode:production in line 13, 17, 20, 23.
   4. Set database hostname, username, password and database name in line 33, 36, 39 and 42.
   5. Set facebook app id and app secret (obtained in step 2.b above) in line 52, 55.
   6. Save and close includes.php

**Using CSBees**

CSBees can now be used by anybody. But to make it usable, we need to create some tags and upload notes in it.

Each note is associated with atleast one tag or many tags.

A tag is defined as either a subject, or a popular topic or a college/university.

No login is required to browse and download notes. But in order to rate or upload notes or to create a new tag and have a personalized experience, the user needs to login using his/her Facebook account.

**Overview:**

1. User opens CSBees in his browser, via <http://localhost/csbees>
2. Clicks on “fb.Login” button on home page.
3. User is redirected to facebook where he enters his//her credentials of facebook.
4. Facebook checks users authenticity.
5. Facebook displays a dialogue box where our app CSBEES::NEURALS requests for user permissions (email, publish\_stream, share\_item).
6. If the user allows the app, he is redirected back to CSBees’ homepage with status as logged in.
7. Otherwise, he is sent back to login page of CSBees and asked to relogin and allow the app.
8. If the user is logged in, options to upload notes and edit profile, etc are enabled.
9. Incase user goes to uploads page, an option of uploading a new note, creating a new tag is shown.
10. If the user goes to profile’s page, he/she can edit his/her nick name. And subscribe to a set of favourite tags.
11. If a new note is uploaded under the user’s subscribed tag by anybody, the user can see that note in his “home” page.
12. In “My Uploads” page, all the notes uploaded by user are shown.
13. In “All Notes” page, all the available notes on the page are shown in chronological order.
14. A search bar is provided with natural language searching capability in the bar. User can enter keywords to get matching notes if available. Search looks into topic and description of a note.
15. If a note is upvoted by a user, the uploader’s reputation is increased by two points. In case of downvote, the reputation is decreased by 1 point.
16. As note’s number of downloads and upvotes/downvotes are shown against it. This helps a user to determine if a note is of good quality or not.

**Valid File Formats**

Due to tremendous security vulnerabilities involved with files, CSBees allows only some of the files to be uploaded to the server. In case file format isn’t valid, it is discarded.

Valid file formats are:

1. PNG
2. JPG/JPEG
3. GIF
4. BMP
5. TXT
6. RTF
7. DOC
8. DOX
9. PPT
10. PPTX
11. XLS
12. ZIP
13. RAR
14. 7Z
15. PDS
16. PPS

So we basically support most of the major document formats which are used in educational purposes. In case if a file type is not supported by CSBees, it can always be uploaded into a compressed (ZIP/RAR/7Z) format.

**PAGES**

**Home**

After a user is logged in, he/she may visit the home page using top navigation bar. Home page contains the list of those notes which have been uploaded under a tag to which the user has subscribed.

The list is in reverse chronological order, recent most note is displayed at the top.

**Upload Notes**

**New Notes:**

This is the interface for uploading a new note.

**Title:** is the title which is shown as the heading of the note. It should be short and to the point.

**Description:** is the description of the note. It contains a short write up of the contents of the notes being uploaded and credits, if any.

**File:** this button is used to navigate and choose the notes file which is to be uploaded.

**Tags:** These are the short categorizers which help other users to identify the relevance of the note, its domain and category. User starts typing and matching tags are shown below so that the user may choose one of them. Multiple tags are preferable for a note. This way it becomes accessible to many users having interest into that type of notes.

**New Tags:**

**Tag’s Full Name:** It is the full name of the university, or college or subject, etc.

**Tag’s Short Name:** Its is the acronym of the tag which is displayed

**Tag’s Category:** It is either a college/university, subject or a popular topic. If

The user is first checked if he is logged in or not. If not, he is sent to the login page.

Now, when a user uploads a new note on the server, all the details are properly escaped so as to avoid any SQL injections. The submitted notes file is also verified for invalid extension. If all things are ok, the file is renamed and moved to “uploads folder” and an entry with all the given details are made into the database. The file becomes available to all users as soon as it is uploaded and verified by the system.

**My Uploads**

This is the interface for showing those notes which a user has uploaded. It selects all those notes from the database where the uploader is the current user logged in and displays it.

**All Notes**

This is the interface for showing all the notes available on the server. It selects all the notes which are present in validUploadsView in the database.

**Profile**

This interface has two tabs. One is for selecting a name and other for subscribing to available tags.

A user can choose any nickname not choosen by anybody else. It will be shown against his/her uploads.

A user can choose as many tags as he/she wants to be displayed in his home page. These tags’ id are stored against a user’s user id in “usersTags” table and fetched via “usersTagsView”.