

# Project django-class

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A free and easy web framework for teachers

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**EPSCoR**

Educational Outreach Throughout New Mexico

# What is it?

- Django-class is a framework used to create class management websites
  - Free & Open Source
  - Multiple classes
  - Student accounts
  - Static pages
  - Assignments
  - And more!



# Goals

- Completely configurable via web interface
- Works with a free hosting solution (Google App Engine)
- Extensible in terms of features and formatting
- Quick and easy setup
- No programming experience required

# Extensibility

- Written in python using Django (“The Web framework for perfectionists with deadlines”)
  - Many already-written django apps
  - Integrate new features
- Page Editor uses TinyMCE
  - Multiple plugins with advanced features
- Django html templates
  - Change item layout
- CSS
  - Override system default
  - Change item formatting



# Features

- Works with Google's free App Engine
  - Site is hosted on Google's infrastructure
  - Free appspot.com subdomain (appname.appspot.com)
  - 500 MB of storage
  - Supports about 5 million page views a month
  - Limits can be raised (but not free)
- Also works with any infrastructure that supports Django

# Features

- Online assignment distribution and submission
  - Assignments can be created anytime and given a date to 'post' – assignment will not appear on site until posting date
  - Late assignments can be accepted by the system (or not)
  - Date & time of submission always shown with submission
  - Can download all submissions for an assignment organized by class and student (in a .zip)



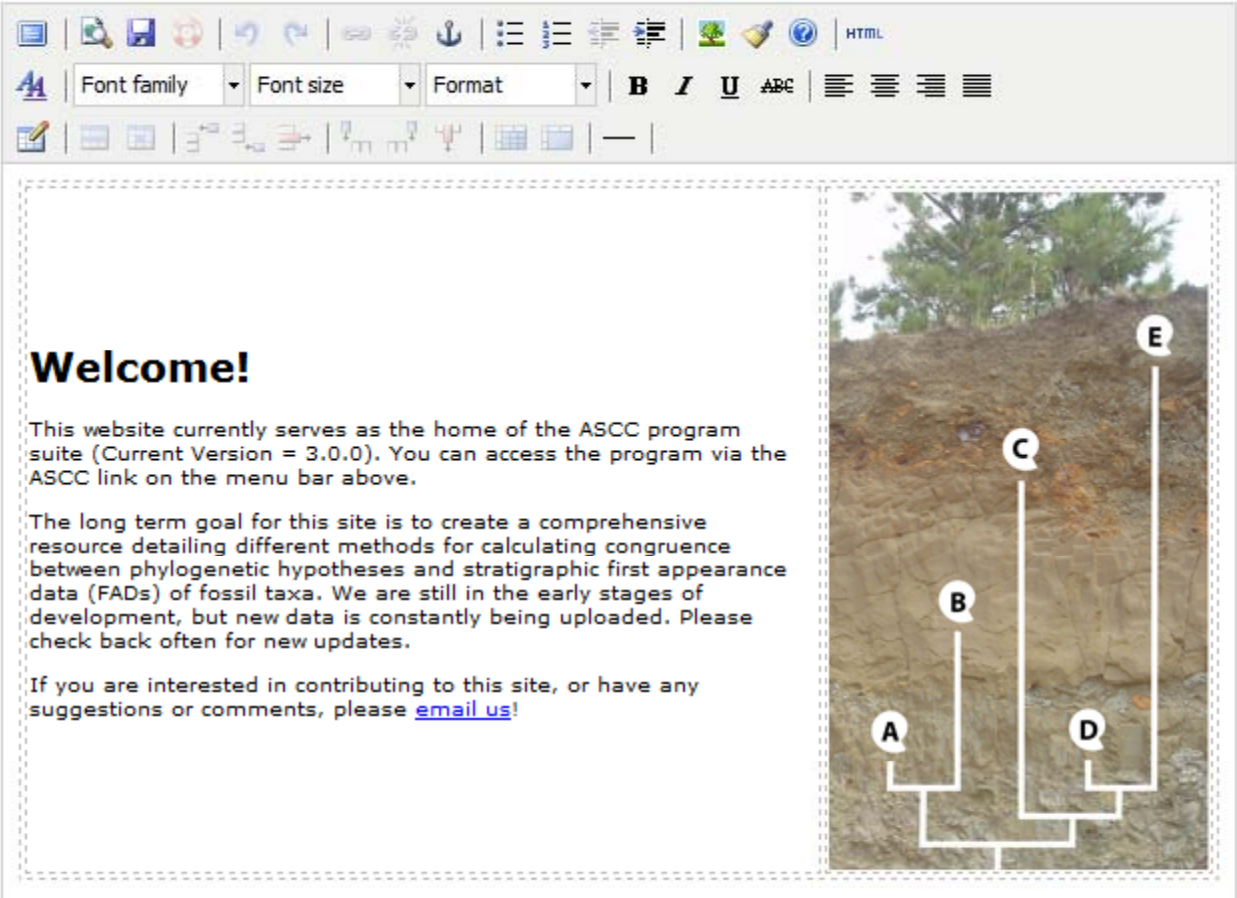
# Features

- Online gradebook
  - Assignments can be split into sections with each section receiving points
  - Assignments can be grouped by type for overall grade allocation (quizzes, tests, homework, etc.)
  - Metrics shown for each assignment and assignment section (max, min, median, mean, mode)
  - Students can keep track of their own grades (if enabled)
  - Students can see assignment metrics (if enabled)
  - Can download grades into Excel

# Features

- WYSIWIG static page editor (TinyMCE)

Content:



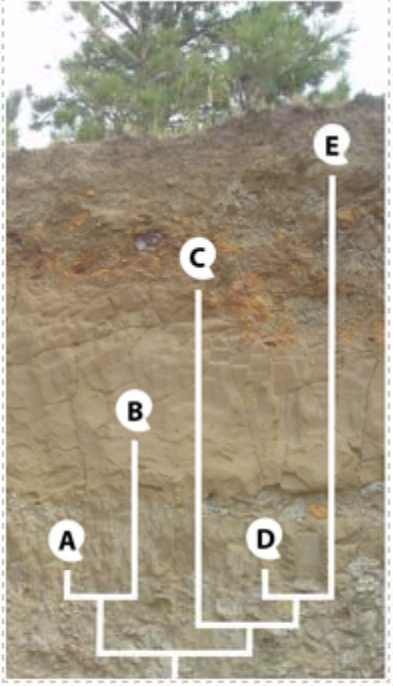
The screenshot displays a WYSIWIG static page editor interface. At the top, there is a toolbar with various icons for editing, including undo, redo, bold, italic, underline, and text color. Below the toolbar, there are dropdown menus for 'Font family', 'Font size', and 'Format'. The main content area is enclosed in a dashed border and contains the following text:

**Welcome!**

This website currently serves as the home of the ASCC program suite (Current Version = 3.0.0). You can access the program via the ASCC link on the menu bar above.

The long term goal for this site is to create a comprehensive resource detailing different methods for calculating congruence between phylogenetic hypotheses and stratigraphic first appearance data (FADs) of fossil taxa. We are still in the early stages of development, but new data is constantly being uploaded. Please check back often for new updates.

If you are interested in contributing to this site, or have any suggestions or comments, please [email us!](#)

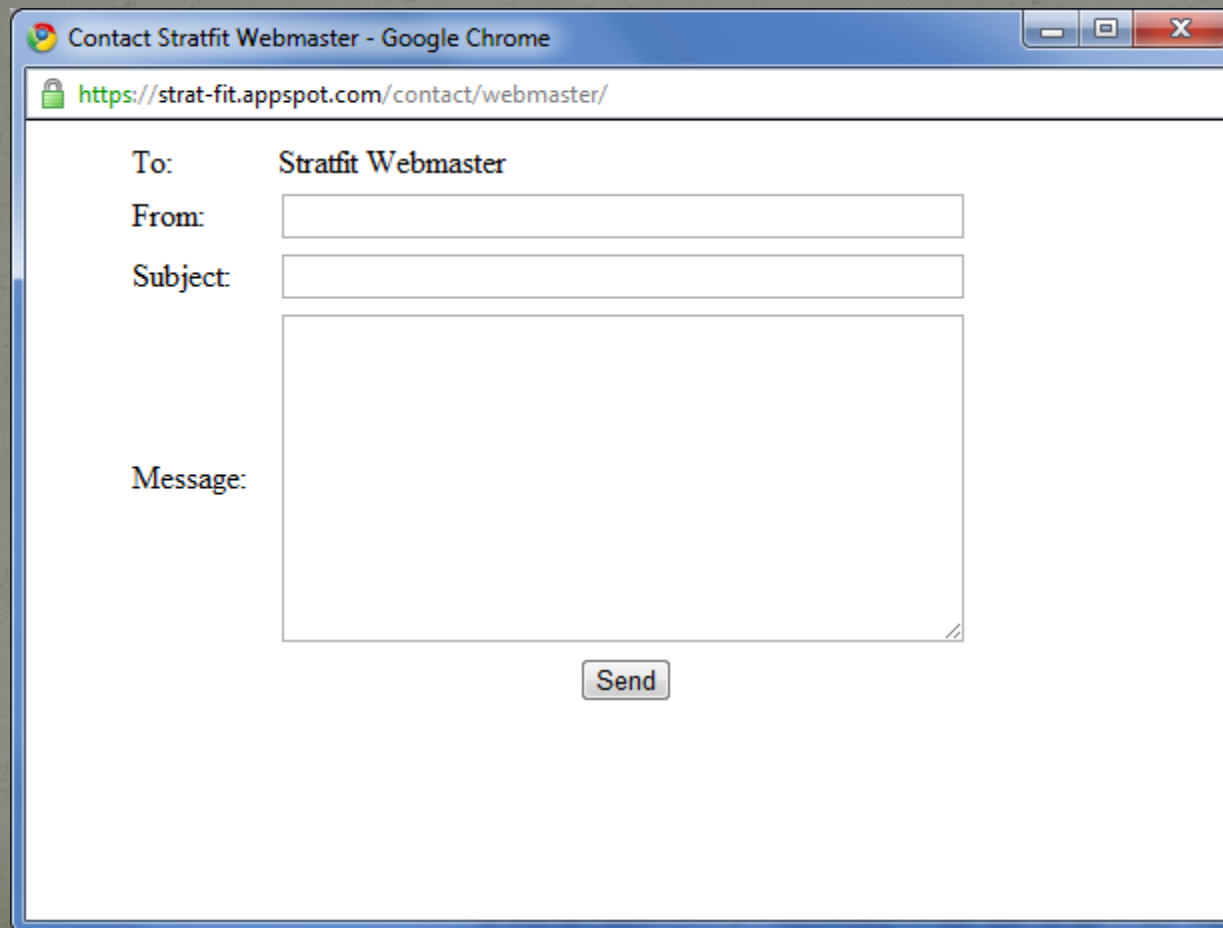


The image on the right shows a photograph of a rock face with a stratigraphic column overlaid. The column is labeled with letters A, B, C, D, and E, indicating different geological layers. The layers are arranged in a sequence from bottom to top: A, B, C, D, and E. The layers are separated by distinct horizontal lines, and the overall appearance is that of a sedimentary rock face.



# Features

- Email capabilities without showing email addresses



The image shows a screenshot of a web browser window titled "Contact Stratfit Webmaster - Google Chrome". The address bar displays the URL "https://strat-fit.appspot.com/contact/webmaster/". The form contains the following fields:

- To:** Stratfit Webmaster
- From:**
- Subject:**
- Message:**

A "Send" button is located at the bottom center of the form.

# Features

- Events & Announcements (with RSS feeds)

## News

No announcements yet

## Upcoming Events

EPSCoR Tri-State Meeting

The 3rd annual EPSCoR Western Consortium Meeting will take place on April 6th-8th at the Hyatt Regency Tamaya Resort & Spa near Bernalillo, NM (about 30 minutes from Albuquerque).

The registration deadline is March 1st, 2011.

More information can be found at the [NMEPSCoR page](#)

## Past Events

EPSCoR NSF Day

The National Science Foundation and New Mexico EPSCoR will be holding a one-day workshop on Thursday, March 17, 2011. This workshop is primarily designed for researchers and educators less experienced in proposing to the NSF; however, more experienced proposers and NSF grantees may well find the workshop useful and informative.

Please visit the [NSF Website](#) for more information.



# Features

- All features are configurable via web interface

Django administration

## Site administration

Auth	
Groups	<a href="#">+ Add</a> <a href="#">Change</a>
Users	<a href="#">+ Add</a> <a href="#">Change</a>

Course	
Courses	<a href="#">+ Add</a> <a href="#">Change</a>

Djangooptions	
Options	<a href="#">Change</a>

News	
Announcements	<a href="#">+ Add</a> <a href="#">Change</a>
Events	<a href="#">+ Add</a> <a href="#">Change</a>
Site update items	<a href="#">+ Add</a> <a href="#">Change</a>

Pages	
Pages	<a href="#">+ Add</a> <a href="#">Change</a>

Sites	
Sites	<a href="#">+ Add</a> <a href="#">Change</a>

Recent Actions
<b>My Actions</b>
None available

# Features

- All features can be disabled (made inaccessible)

**Options**

Announcements

Courses

Option	Current Value	Default Value	Description
Show Course ID in pages	<input checked="" type="checkbox"/>	True	If True, displays the Course ID with its title & subtitle on pages
Show Courses by Title	<input checked="" type="checkbox"/>	True	If True, displays courses by title, otherwise, displays courses by id

Options App

Option	Current Value	Default Value	Description
Staff Override	<input type="checkbox"/>	False	This allows staff to use disabled apps (does not affect the admin interface)
Superuser Override	<input type="checkbox"/>	False	This allows superusers to use disabled apps (does not affect the admin interface)

Students App

Option	Current Value	Default Value	Description
Allow Late Submissions	<input type="checkbox"/>	False	If True, will accept assignment submissions after the due date (time & date submitted is always shown)
Allow Student Avatar Change	<input type="checkbox"/>	False	If True, allows the students to upload their own avatars
Allow Student Email	<input type="checkbox"/>	False	If True, this allows students to email each other through the website(no email addresses are shown)
Show Students By Name	<input checked="" type="checkbox"/>	True	If True, shows student listing to instructor by name, otherwise it will use the student id
Student Avatars Visible	<input checked="" type="checkbox"/>	True	If True, this allows student avatars to be visible to other students
Student Phone Numbers Visible	<input type="checkbox"/>	False	If True, allows students to see other students phone numbers (if the student also allows it)



# More Features

- Manage multiple classes on one site with one backend
- Resources can be uploaded for students to download (lectures, handouts, manuals, etc.)

# When and Where?

- Expected Completion Date: Early Summer 2011
- Where will it be?
  - <http://www.cs.nmt.edu/~epscor>



Questions? Comments? Silly Remarks?