# Computing, SSE Feedback Website Staff-User Manual

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#### 1 Account Management

#### 1.1 Login

The login page can be accessed by clicking on "Staff Log In" found in the navigation bar (top right corner). The login page will load, prompting for the user's email and password (**Figure 1**). Users can login by entering their email and password and clicking on the login button.

Lo	g in						
Emai	1						
Passv	word						
		☐ Remember me	?				
Lo	ogin				F	orgot your p	assword?
Figure	<b>e 1</b> - Login P	age					
1.2	Password	Reset					
be res	set by enter	ot your password?" ing an email addres ovided address with	s in the field p	provided, and clic	king the su	ıbmit button	
Fc	orgot y	our pass	word?				
	ter your						
Ema	il						
S	ubmit						Back

Figure 2 - Password Recovery

#### 1.3 Account settings

The accounts settings page can be accessed after logging in by clicking on user's email address URL found in the navigation bar (**Figure 3**).

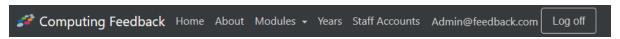


Figure 3 - Navigation Bar

The accounts settings page (**Figure 4**) allows the user to change the account password (it must contain at least 8 characters, a number and one uppercase ('A'-'Z')) and to edit the account holder's forename and surname.

# Change your account settings

Password: Change
Name: Change

Figure 4 - Account Settings

#### 2 Staff Accounts (Accounts)

This section (**Figure 5**) is accessible to website administrators only and is used to manage and create accounts for the website. It includes a table of accounts and their details. The table is fully sortable and searchable.

Actions found on the page are:

- Create a Staff Account (2.1)
- Edit (2.2)

Accounts

- Delete Permanently deletes an account, should be used when the user should no longer have access to the website or if a wrong email address was used when creating an account. Currently logged in administrator cannot delete its account; this is to ensure that at least one administrator account exists on the website.
- Resend Email Resends a confirmation email to a user should be used if the user has not
  confirmed email after extended period after account creation. This action is not available if
  the user has confirmed its email address.

#### Create a Staff Account entries Search: **Email** Confirmed **Email** Forename ↑↓ Surname ↑↓ Account type Action Redacted Administrator - full True Edit | Redacted Redacted privileges. Delete Admin@feedback.com Admin Super Administrator - full True Edit privileges. Redacted Administrator - full True Edit | Redacted Redacted privileges. Delete Administrator - full Redacted Redacted Redacted True Edit | privileges. Delete Previous Showing 1 to 4 of 4 entries

Figure 5 - Accounts Page

#### 2.1 Create a Staff Account

This page (**Figure 6**) can be accessed by clicking on "Create Staff Account" found in top left corner on the accounts page. The page contains following fields:

- Forename user's first name.
- Surname user's last name.
- Email user's email, only @dundee.ac.uk emails are accepted. An email confirmation will be sent to specified email.
- Account Type role associated with the account, four roles are available:
  - Administrator full privileges, including account creation, academic year form creation and publishing.
  - Head Lecturer has no access to categories, levels, account management and cannot create, publish or archive academic year forms.
  - Lecturer can only work with optional questions: unable to create, edit or add mandatory questions. Cannot archive or restore entities.
  - Teaching Staff can only view gathered feedback, does not have access to any other functionality.
  - All roles have access to individual account management.

An account is created by filling out all fields and clicking the "submit button". On account creation, an email message will be sent to specified email address. It contains URL to the page that allows to confirm the email address and to set the account password. This is done to ensure that supplied email address exists and to allow the account holder to set the password.

A confirmation email is valid for one year after a year it will expire and require to be re-sent. This can be done by clicking on "Resend" action in the account's table found in the accounts page.

# Create a Staff Account

# Account creation notification will be sent to the supplied email address.

Forename		
Surname		
Email		
Account Type	Lecturer - can create optional questions only.	~
Create		Back to List

Figure 6 - Account Creation Page

#### 2.2 Edit Account

The edit page (**Figure 7** - Edit Account Page**Figure 7**) allows administrative staff to edit accounts found on the website. The page holds following fields:

- Forename user's first name.
- Surname user's last name.
- Email user's email address, it cannot be changed. The new account should be created for the user if email address needs to be changed.
- Account type user's account role (2.1). The user cannot change its role, this to ensure that at least one administrator exists for the website.

#### Edit an Account

Forename	Admin
Surname	Super
Email	Admin@feedback.com
Account type	Admin
Save	Back to Lis

Figure 7 - Edit Account Page

#### 3 Entities

Five entities are used to create an academic year feedback form. These entities are Categories, Questions, Levels, Supervisors, Modules. Each entity can be accessed by clicking on "Entities" in the navigation bar and then selecting desired entity from the sub menu.

#### 3.1 Categories

Categories

The categories index page (**Figure 8**) contains a table with all existing categories in the database. The table can be sorted and is fully searchable. Categories are used categorise and group questions and can only be accessed by an administrator.

#### Create a New Category entries Search: Show Title Description **Category Order** Status Action Comments and Standard questions about the 2 Active Edit | Details | Improvements Archive Module Specific Optional module specific questions. 3 Active Edit | Details | Archive Rate the Module Questions where student is asked to Active Edit | Details | 1 rate something about the module. Archive Showing 1 to 3 of 3 entries

Figure 8 - Categories Index Page

#### 3.1.1 Create A New Category

The new category page (**Figure 9**) is accessed by clicking on "Create a New Category" found in top left corner of the page. The category entity contains following fields:

- Title the category's title, this is how the category will be displayed throughout the website.
- Description the category's description, short descriptions to describe the role of the category.
- Category Order ordering number for the category. This is the order categories will appear
  in the questionnaires. This ordering is global throughout all the questionnaires and
  generally, should not be changed. It is possible to have two categories with the same order
  number, in this scenario senior category would be displayed before newer category in the
  questionnaire. For example, the order can be as follows 1 2 3 4old 4new 5 6. This order is set
  automatically, but can be manually edited to arrange categories.
- Type
  - o Any Questions the category can contain both optional and mandatory questions.
  - o Mandatory Questions Only the category can contain only mandatory questions.
  - o Optional Questions Only the category can contain only optional questions.

A category is created by filling in all required fields and clicking on the "Create" button found at the bottom left of the screen.

#### Create a Category

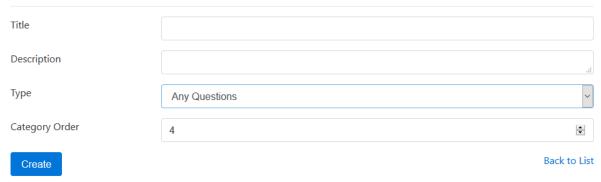


Figure 9 - Create a Category Page

#### 3.1.2 Edit a Category

The edit page can be accessed by clicking on "Edit" found in the actions column of the categories table. The edit page is prefilled with the selected category values from the database, but otherwise is identical to the category creation page, it allows to edit the category values.

#### 3.1.3 Archive a Category

The archive page (**Figure 10**) can be accessed by clicking on "Archive" found in the actions column of the categories table. Archiving a category will set the category status to archived. An archived category will not be available for selection when creating or modifying questions. Questions under the archived category will not be affected, but these questions will not be available for selection in new and pending module questionnaires. Archiving a category indirectly archives all questions under it.

This action is not available while an academic year form is published.

#### **Archive**

# Are you sure you want to archive this category?

The archived category will not be available for use in creating and updating questions. The questions under the published category will not be available for the academic year forms. The published academic year forms will not be affected.

# Title Comments and Improvements Description Standard questions about the module. Category Order 2 Status Active Back to List

Figure 10 - Archive a Category

#### 3.1.4 Restore a Category

The restore page can be accessed by clicking "Restore" in the actions column of the categories table. Restoring a category will undo archiving action, allowing the category to be used when creating new questions. Questions under the restored category will once again be available for selection in new and pending module questionnaires. This functionality is only available to the archived categories.

This action is not available while an academic year form is published.

#### 3.1.5 Details

The details page displays details about the selected category and can be accessed via "Details" link found in the action column of the categories table.

#### 3.2 Questions

The questions index page (**Figure 11**) contains a table with all existing questions in the database. The table can be sorted and is fully searchable. Questions are used to create module questionnaires.

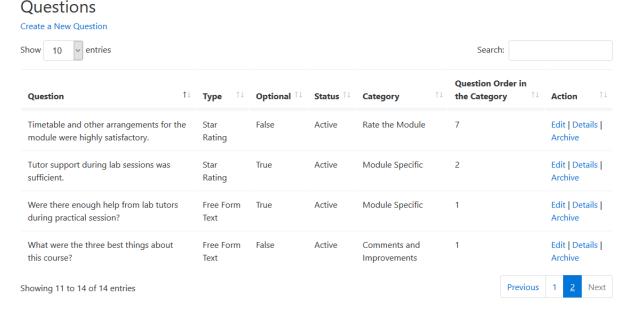


Figure 11 – Questions Index Page

#### 3.2.1 Create A New Question

The new question page (**Figure 12**) is accessed by clicking on "Create a New Question" found in top left corner of the page. The question entity contains following fields:

- Question The question to be asked.
- Type the question's type, there are two types:
  - Free Form Text a standard free form text answer question.
  - o Star Rating a rating question, rated in stars ranging from 0.5 to 5 stars.
- Category a category to which the question belongs. Lecturer accounts are limited to categories which accept optional questions.
- Question Order in the Category order in which the question will appear within the
  category in a questionnaire. This is a global value and will affect all questionnaires, but each
  category has its individual order. Thus two questions can easily have same order if they
  belong to two different categories. This order is set automatically, but can be adjusted if
  required.
- Optional Indicates if a question is optional or not. Mandatory questions will be added to all
  module questionnaires automatically. Only an admin and a head lecturer can create nonoptional (mandatory) questions. A mandatory question can only be created while there are
  no questionnaires published. Creating a mandatory question will automatically add it to new
  and currently pending questionnaires.

A question is created by filling in all required fields and clicking on the "Create" button found at the bottom left of the screen.

# Create a Question

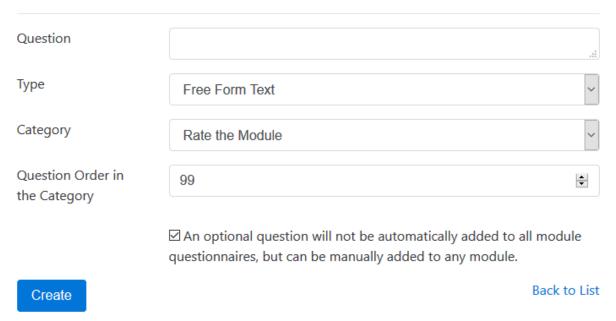


Figure 12 - Create a Question Page

#### 3.2.2 Edit a Question

The edit page can be accessed by clicking on "Edit" found in the actions column of the questions table. The edit page is prefilled with the selected question values from the database, but otherwise is identical to the question creation page, it allows to edit a question.

Making a mandatory question into an optional question will remove it from all currently pending questionnaires. The question optionality change can only be done while there are no currently published questionnaires. Only an admin or a head lecturer can edit a mandatory question.

#### 3.2.3 Archive a Question

The archive page (**Figure 13**) can be accessed by clicking on "Archive" found in the actions column of the question table. Archiving a question will set the question status to archived. The archived question will not be available for selection in the new questionnaires and will be removed from currently pending questionnaires; archived questionnaires are not affected.

This action is not available while an academic year form is published and can only be performed by an administrator or a head lecturer.

#### **Archive**

# Are you sure you want to Archive this question?

The archived question will not be available for the new questionnaires. The archived question will be removed from pending or **currently published questionnaires**, archived questionnaires will not be affected.

#### Question

**Question** All the learning outcomes were achieved.

Type Star Rating

Optional False

Status Active

Category Rate the Module

Question Order in the Category 2

Archive

Back to List

Figure 13 - Archive a Question

#### 3.2.4 Restore a Question

The restore page can be accessed by clicking "Restore" in the actions column of the questions table. Restoring a question will undo archiving action, allowing the question to be used in the module questionnaires. This will also restore question to currently pending questionnaires if the question was part of the questionnaire before being archived.

This action is not available while an academic year form is published and can only be performed by an administrator or a head lecturer.

#### 3.2.5 Details

The details page displays details about the selected question and can be accessed via "Details" link found in the action column of the questions table.

#### 3.3 Levels

The levels index page (**Figure 14**) contains a table with all existing levels in the database. The table can be sorted and is fully searchable. Levels are used group the modules and can only be accessed by an administrator.

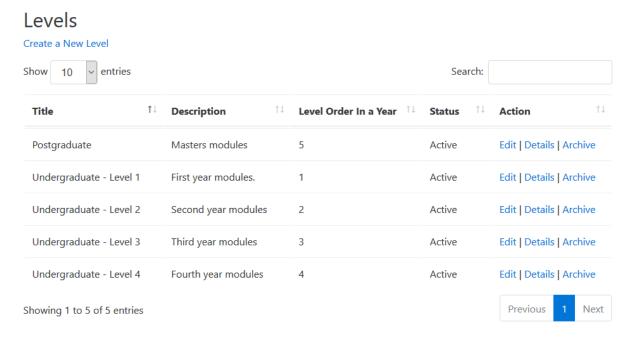


Figure 14 – Levels Index Page

#### 3.3.1 Create A New Level

The new level page (**Figure 15**) is accessed by clicking on "Create a New Level" found in top left corner of the page. The level entity contains following fields:

- Title the level's title, this is how the level will be seen throughout the website.
- Description the level's description.
- Level Order in a Year the order in which level will appear in an academic year form, this order is set automatically but can be adjusted if required.

A question is created by filling in all required fields and clicking on the "Create" button found in bottom left of the screen.

# Create a Level

Title			
Description			.::
Level Order In a Year	0		<b>\Delta</b>
Create		Bac	k to List

Figure 15 - Create a Level Page

#### 3.3.2 Edit a Level

The edit page can be accessed by clicking on "Edit" found in the actions column of the levels table. The edit page is prefilled with the selected level values from the database, but otherwise is identical to the level creation page, it allows to edit a level.

#### 3.3.3 Archive a Level

The archive page (**Figure 16**) can be accessed by clicking on "Archive" found in the actions column of the levels table. Archiving a level will set the level status to archived. Modules under an archived level will not be available for selection in a new academic year form. This does not affect currently existing academic year forms.

## **Archive**

# Are you sure you want to archive this level?

An archived level and all questions belonging to the archived level will not be available when creating new academic year forms. This does not affect existing academic year forms.

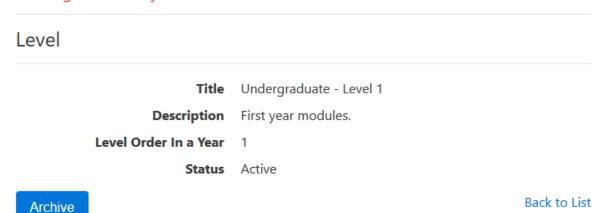


Figure 16 - Archive a Question

#### 3.3.4 Restore a Level

The restore page can be accessed by clicking "Restore" in the actions column of the levels table. Restoring a level will undo archiving action, allowing it to be used again when creating new academic year forms. This action does not affect currently existing academic year forms.

#### 3.3.5 Details

The details page displays details about the selected level and can be accessed via "Details" link found in the action column of the levels table.

#### 3.4 Supervisors

Supervisors Index

The supervisors index page (**Figure 17**) contains a table with all existing supervisor entities in the database. The table can be sorted and is fully searchable. The supervisor entities are used when creating module entities.

#### Create a New Supervisor Show 10 ~ entries Search: Title Email Status Action Forename Surname jgzhang@computing.dundee.ac.uk Edit | Details | Archive Dr Jiangou Zhang Active Miss Shazia Akbar shaziaakbar@computing.dundee.ac.uk Active Edit | Details | Archive Edit | Details | Archive Mr Andy Cobley acobley@computing.dundee.ac.uk Active Prof Stephen McKenna stephen@computing.dundee.ac.ukActive Edit | Details | Archive Edit | Details | Archive Prof Annalu Waller a.waller@dundee.ac.uk Active Prof John j.arnott@computing.dundee.ac.uk Edit | Details | Archive Arnott Active Prof chris@computing.dundee.ac.uk Edit | Details | Archive Chris Reed Active Edit | Details | Archive Hughes jhughes@computing.dundee.ac.uk Active Prof Janet Showing 11 to 18 of 18 entries

Figure 17 – Supervisors Index Page

#### 3.4.1 Create A New Supervisor

The new level page (**Figure 18**) is accessed by clicking on "Create a New Supervisor" found in top left corner of the page. The supervisor entity contains following fields:

- Title the supervisor's title, selected from prepopulated list of 7 titles for every possibility.
- Forename the supervisor's first name.
- Surname the supervisor's last name.
- Email the supervisor's email address.

A supervisor entity is created by filling in all required fields and clicking on the "Create" button found at the bottom left of the screen.

# Create a Supervisor

Title	Dr	<u> </u>
Forename		
Surname		
Email		
Create		Back to List

Figure 18 - Create a Supervisor Page

#### 3.4.2 Edit a Supervisor

The edit page can be accessed by clicking on "Edit" found in the actions column of the supervisors table. The edit page is prefilled with the selected supervisor values from the database, but otherwise is identical to the supervisor creation page, it allows to edit a supervisor entity.

#### 3.4.3 Archive a Supervisor

The archive page (**Figure 19**) can be accessed by clicking on "Archive" found in the actions column of the supervisors table. Archiving a supervisor will set the supervisor status to archived. An archived supervisor will not be selectable when editing or creating new modules. This does not remove the supervisor from already existing modules. This action is only available to an administrator or a head lecturer.

#### Archive

# Are you sure you want to archive this supervisor?

An archived supervisor will not show up when creating new modules. The modules with the archived supervisor will not be affected.

# Title Redacted Forename Redacted Surname Redacted Email Redacted Status Active Back to List

Figure 19 - Archive a Supervisor

#### 3.4.4 Restore a Supervisor

The restore page can be accessed by clicking "Restore" in the actions column of the supervisors table. Restoring a supervisor will undo the archiving action, allowing the supervisor to be used again when working with module entities.

This action can only be performed by an administrator or a head lecturer.

#### 3.4.5 Details

The details page displays details about the selected supervisor entity and can be accessed via "Details" link found in the action column of the supervisors table.

#### 3.5 Modules

The modules index page (**Figure 20**) contains a table with all existing module entities in the database. The table can be sorted and is fully searchable. Each module entity has its questionnaire to gather feedback.

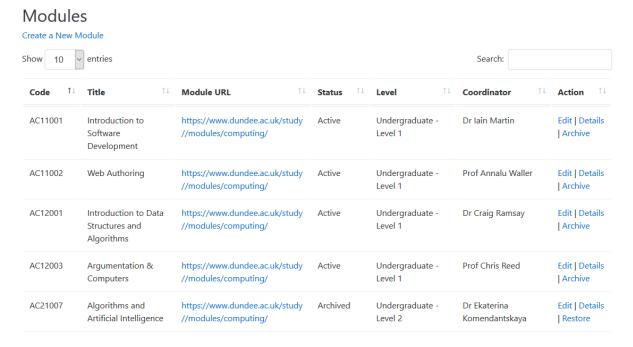


Figure 20 - Modules Index Page

#### 3.5.1 Create A New Module

The new level page (**Figure 21**) is accessed by clicking on "Create a New Module" found in top left corner of the page. The module entity contains following fields:

- Code the module's identifying code.
- Title the module's title.
- Level the level module belongs to; this is a drop-down list that is populated using level entities.
- Coordinator the module's supervisor; this is a drop-down list that is populated using supervisor entities.
- Description description of the module, this description will be displayed in module questionnaire.
- Module URL the URL that links to the module on UoD website for additional information.

A module entity is created by filling in all required fields and clicking on the "Create" button found at the bottom left of the screen. Creating a new module will automatically create its questionnaire and populate it with mandatory questions. This questionnaire then can be edited when the module is added to an academic year form.

# Create a Module

Code		
Title		
Level	Undergraduate - Level 1	~
Coordinator	Dr Alison Pease	~
Description		.:.
Module URL		
Create		Back to List

Figure 21 - Create a Module Page

#### 3.5.2 Edit a Module

The edit page can be accessed by clicking on "Edit" found in the actions column of the module table. The edit page is prefilled with the selected module values from the database, but otherwise is identical to the module creation page, it allows to edit a module entity.

#### 3.5.3 Archive a Module

The archive page (**Figure 22**) can be accessed by clicking on "Archive" found in the actions column of the module table. Archiving a module will set the module status to archived. An archived module will not be available when creating new academic year forms. Archiving a module will also remove it from currently pending academic year forms, this does not affect published or archived academic year forms. This action can only be performed by an administrator or head lecturer.

### **Archive**

# Are you sure you want to archive this module?

An archived module will not be available when creating new academic year forms and will be removed from currently pending academic year forms. Published or archived academic year forms will not be affected.

#### Module

Code AC11001

Title Introduction to Software Development

Level Undergraduate - Level 1

Coordinator Redacted

Status Active

**Description** "The best way to learn how to design good software is

to think about the people who will be using it first, then to practice designing good software for those people"

Figure 22 - Archive a Module

#### 3.5.4 Restore a Module

The restore page can be accessed by clicking "Restore" in the actions column of the module table. Restoring a module will undo the archiving action, enabling the module to be selectable again when creating new academic year forms. This action affects currently pending academic year forms and can only be performed by an administrator or a head lecturer.

#### 3.5.5 Details

The details page displays details about the selected module entity and can be accessed via "Details" link found in the action column of the module table.

#### 4 Academic year form (Year)

The year page (**Figure 23**) contains a table with all academic year forms. As previous tables, it can be sorted by any column and is fully searchable. An academic year form can have 3 states:

- Pending this is an initial state after the creation of a form, modules and their questions can be added and removed while the form is pending.
- Published the published form will be closed to any modifications, instead, will be displayed on the main page allowing students to provide feedback. The feedback is visible to lecturers during this state.
- Archived final state, the form no longer accepts feedback from students. Lecturers can view gathered feedback in this state.

#### Year Forms Index

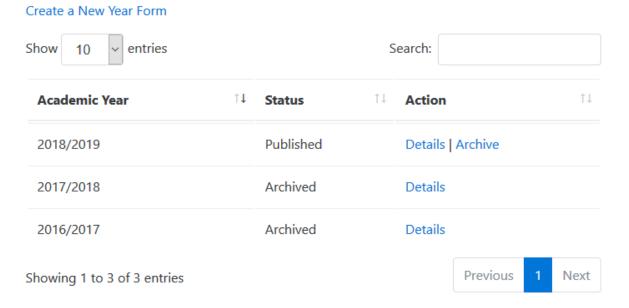


Figure 23 - Year's Page

#### 4.1 Create a New Year Form

The new year form page (Figure 24) is accessed by clicking on "Create a New Year Form" found in top left corner of the page. The page displays all currently active modules in the database, and if required any active module can be set the inactive state for a year if the module is not running during the academic year.

A year form is created by entering a year for which the form is created (this is the starting year of an academic year, e.g. 2016/2017 starting year would be 2016) and clicking on the "Create" button found at the bottom left side of the page.

Creating a new year form will automatically archive all currently published or pending year forms. This should be done at the start of a new academic year. Only an administrator can create a year form. It should be noted that it is not possible to have two forms for the same year.

# Create Academic Year Form Only one academic year form can be active at a time! Any currently pending or published forms will be automatically archived upon creation of a new year form. Please only create a new year form at the start of a new academic year. 2017 -Ending: 2018 Academic year starting: Please select modules running this year, the module list can be edited later until published.

Archived modules will not show up in this list.

Undergraduate - Level 1	
AC11001 Introduction to Software Development	Active ~
AC11002 Web Authoring	Active ~
AC12001 Introduction to Data Structures and Algorithms	Active ~
AC12003 Argumentation & Computers	Active ~
Undergraduate - Level 2	
AC21007 Algorithms and Artificial Intelligence	Active ~

Figure 24 - Create A New Year

#### 4.2 Edit a Year Form

The edit page can be accessed by clicking on "Edit" found in the actions column of the year table. The edit page shares the same layout as the year creation page. It allows editing a year entity by adding or removing active modules. It should be noted that it is not possible to have two forms for the same year. Only an administrator can edit a year form.

#### 4.3 Publish a Year Form

The publish page can be accessed by clicking on "Publish" found in the actions column of the year table. The publish page follows the same layout as the create and edit pages, displaying list of active modules and basic information about the year. A year form can be published by clicking on the "Publish" button found at the bottom left of the page. Once published the form will appear on the main page allowing students to fill in the module questionnaires, this will close the form to any further modifications. Only an administrator can publish a pending year form.

#### 4.4 Retract a Year Form

The retract page can be accessed by clicking on "Retract" found in the actions column of the year table. The retract page follows the same layout as the publish page, displaying a list of active modules and basic information about the year. A year form can be retracted by clicking on the "Retract" button found at the bottom left of the page. Once retracted the form will disappear from the main page, no longer allowing students to fill in the module questionnaires, this will open the form to modifications. Retraction should be done during in the middle of a second semester to allow lecturers to add any questions they desire to the second-semester modules, or to generally edit a year form. Only an administrator can retract a published year form, the retracted form will have a pending status and will require re-publishing after modifications to be available to students.

#### 4.5 Archive a Year Form

The archive page can be accessed by clicking on "Archive" found in the actions column of the year table. This action is only available to a published year form and can only be performed by an administrator. A form can be archived by clicking on the "Archive" button found at the bottom left of the page. Once archived the form will no longer be displayed on the main page or accept feedback from the students. This action should be performed at the start of a new academic year, just before creating a new year form, but can be safely ignored as creating a new year form will automatically archive currently published year form.

#### 4.6 Details

The details (**Figure 25**) page can be accessed by clicking on "Details" found in the actions column of the year table. The page displays details about an academic year, but primarily acts as a gateway to the module questionnaires and feedback pages. Based on a year status, buttons found on the right side of the list change.

- Year status: pending Module Questions (Questionnaire) page (4.6.1) is available.
- Year status: published or archived Module Feedback page (4.6.2) is available.

#### Details

#### Year Form

Academic Year 2016/2017
Status Pending

Modules
Undergraduate - Level 1

AC11001 Introduction to Software Development Module Questions

AC11002 Web Authoring Module Questions

AC12001 Introduction to Data Structures and Algorithms Module Questions

AC12003 Argumentation & Computers Module Questions

Undergraduate - Level 2

AC21007 Algorithms and Artificial Intelligence Module Questions

AC21008 Multi-Paradigm Programming and Data Structures Module Questions

Figure 25 - Year Details

#### 4.6.1 Module Questions

The module questions page (Figure 26

#### **Module Questions**

#### Module

Code AC11001

Title Introduction to Software Development

Level Undergraduate - Level 1

Coordinator Dr Iain Martin

#### Questions

#### Rate the Module



) can be accessed by clicking on the "Module Questions" button found on a year details page. This page is only available while a year is pending. The page lists all currently active questions and their status within the questionnaire. Active questions will be marked as active and inactive as inactive. It is possible to change the status of the questions and thus add or remove them from the questionnaire. A lecturer can add or remove optional questions, and a head lecturer or an admin can add and remove mandatory questions.

Questionnaires are persistent throughout the years and do not require repeated attention if no questions are being added or removed.

#### Module Questions

#### Module

Code AC11001

Title Introduction to Software Development

Level Undergraduate - Level 1

Coordinator Dr Iain Martin

#### **Questions**

#### Rate the Module

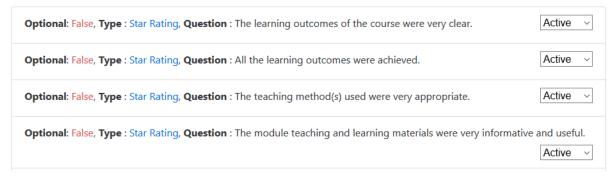


Figure 26 - Module Questions

#### 4.6.2 Module Feedback

The module feedback page can be accessed by clicking on the "Module Feedback" button found on a year details page. This page is not available while a year has a pending status.

The page has three sections of interest.

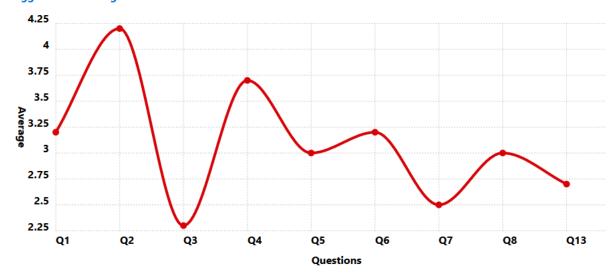
- 1. Overall average rating chart (**Figure 27**) which maps average scores from all of the star rating questions. Y-axis plots the average score for the questions and X axis indicates the question number. Overall average score for the module is visualised above the chart using stars.
- 2. Individual star rating question feedback section (**Figure 28**) which has a chart that visualises vote distribution for the question. Y axis maps the number of votes and x-axis maps the value of the vote.
- 3. Free text question feedback section which lists the question and all associated answers for the question.

The module feedback page is available to archived year forms and can be accessed by all account types.

#### Overall Average



#### Toggle overall average chart



**Figure 27** – Overall Average (in the final project version, line chart was changed to a bar chart, like one visible below).

Question: The teaching method(s) used were very appropriate.

Number of Votes: 10 Average: 3.7 Stars

#### **Toggle vote distribution chart**

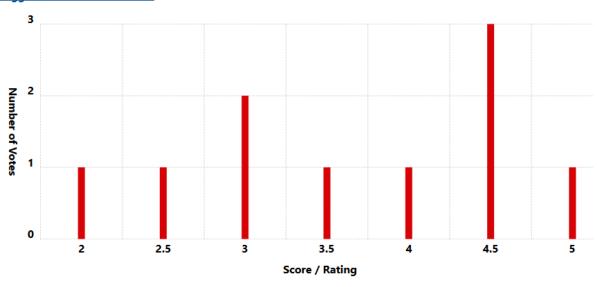


Figure 28 - Star Rating Question Feedback