MOODLE

Modular Object-Oriented Dynamic Learning Environment

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What is MOODLE?

MOODLE (Modular object oriented Dynamic learning environment)

- It is a free source e-learning software platform
- Moodle can be used in many types of environments such as in education, training and development, and business settings.
- It is a learning management system (LMS, also called VLE).

Features of MOODLE

Some of its features are:

- Assignment submission
- Discussion forum
- Files download
- Grading
- Moodle instant messages
- Online calendar
- Online news and announcement
- Online quiz

Who uses Moodle?

- Universities
- High schools
- Primary schools
- Government departments
- Healthcare organisations
- Military organisations
- Airlines
- Oil companies
- Homeschoolers
- Independent educators
- Special educators etc.

History of MOODLE

- Moodle was first developed by Martin Dougiamas, a computer scientist and educationist.
- The first version-Moodle 1.0 was released on 20th August 2002.
- It was developed to support a social constructionist epistemology of teaching and learning within Internet-based communities of reflective inquiry
- The latest version, Moodle 2.4, was released on December 3, 2012.

General meanings of Moodle

- The Software.
- Moodle Pty Ltd-an Australian company which performs the majority of the development of the core Moodle platform.
- The Moodle Community - an open online network where users can interact through the Moodle community website to share ideas, code, information and free support.
- The Moodle Partner network, which forms the commercial arm of the Moodle environment

Social Constructionism Ideology Used

- **All of us are potential teachers as well as learners - in a true collaborative environment we are both.**
- **We learn particularly well from the act of creating or expressing something for others to see.**
- **We learn a lot by just observing the activity of our peers.**
- **By understanding the contexts of others, we can teach in a more transformational way (constructivism)**
- **A learning environment needs to be flexible and adaptable, so that it can quickly respond to the needs of the participants within it.**

Philosophy used

Moodle structure is guided by social constructionist pedagogy approach. The four most paramount are listed below:

Constructivism

- People actively **construct** new knowledge as they interact with their environments.

Constructionism

- Learning is particularly effective when constructing something for others to experience.

Social constructivism

- People construct knowledge for one another, collaboratively creating a small culture of shared artifacts with shared meanings.

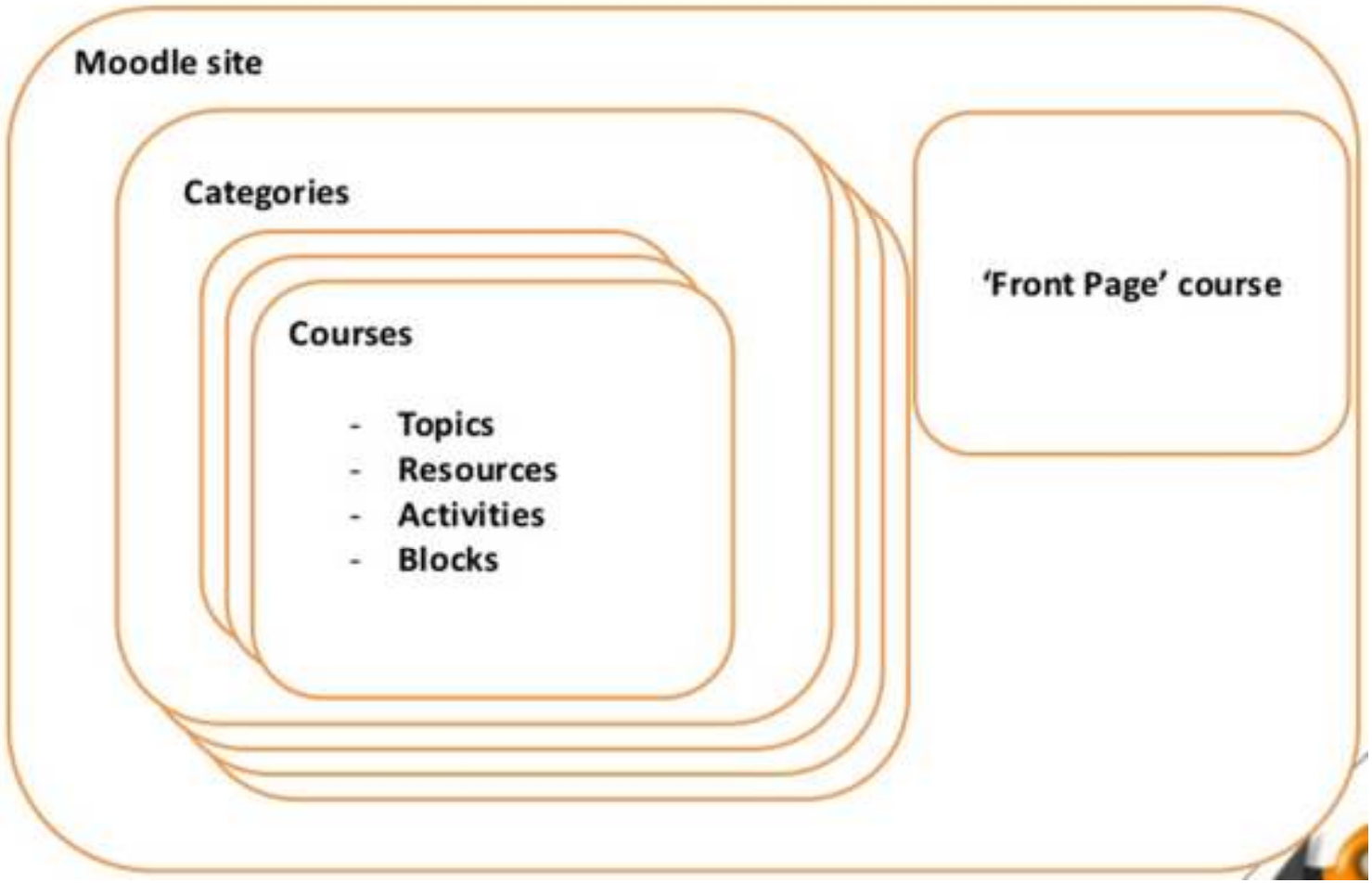
Philosophy contd

Connected and separate

- This idea looks deeper into the motivations of individuals within a discussion:
- **Separate** behaviour is when someone tries to remain 'objective' and 'factual', and tends to defend their own ideas using logic to find holes in their opponent's ideas.
- **Connected** behaviour is a more empathic approach that accepts subjectivity, trying to listen and ask questions in an effort to understand the other point of view.
- **Constructed** behaviour is when a person is sensitive to both of these approaches and is able to choose either of them as appropriate to the current situation.
- In general, a healthy amount of connected behaviour within a learning community is a very powerful stimulant for learning, not only bringing people closer together but promoting deeper reflection and re-examination of their existing beliefs.

Stucture of MOODLE

A Moodle Instance – structurally speaking



Context in Moodle?

Context is a place where roles can be allocated

- The Site
- Front Page
- Categories
- Courses
- Resources
- Activities
- Blocks

How to install MOODLE

- Download a current version from http://download.moodle.org
- unpacking the archive.
- Copy the files to your web server documents directory
- Set up your web server
- Create a database named moodle
- Install moodle with installer script or from command line

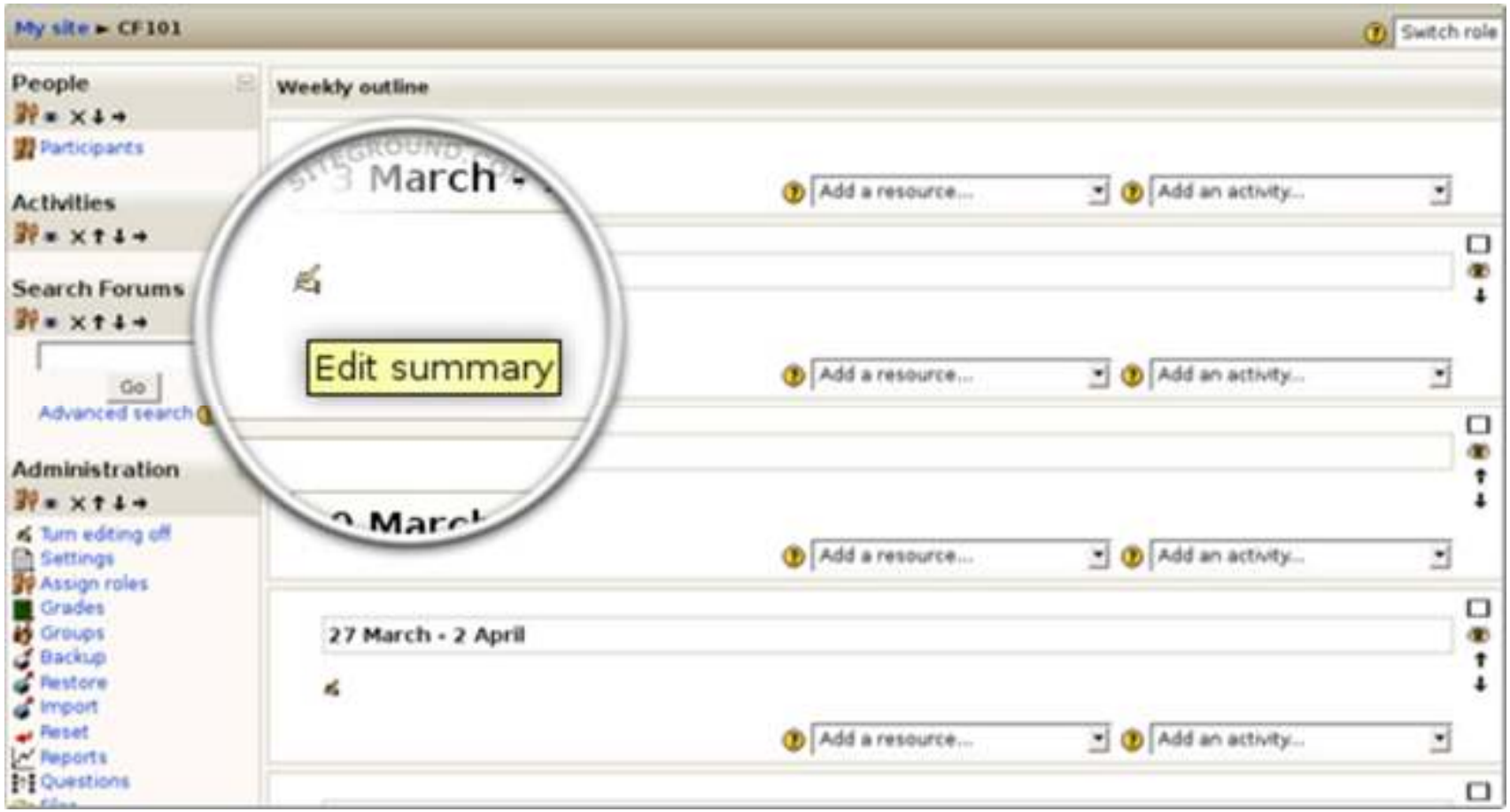
-seek technical supports for further clarity.

Moodle Interface

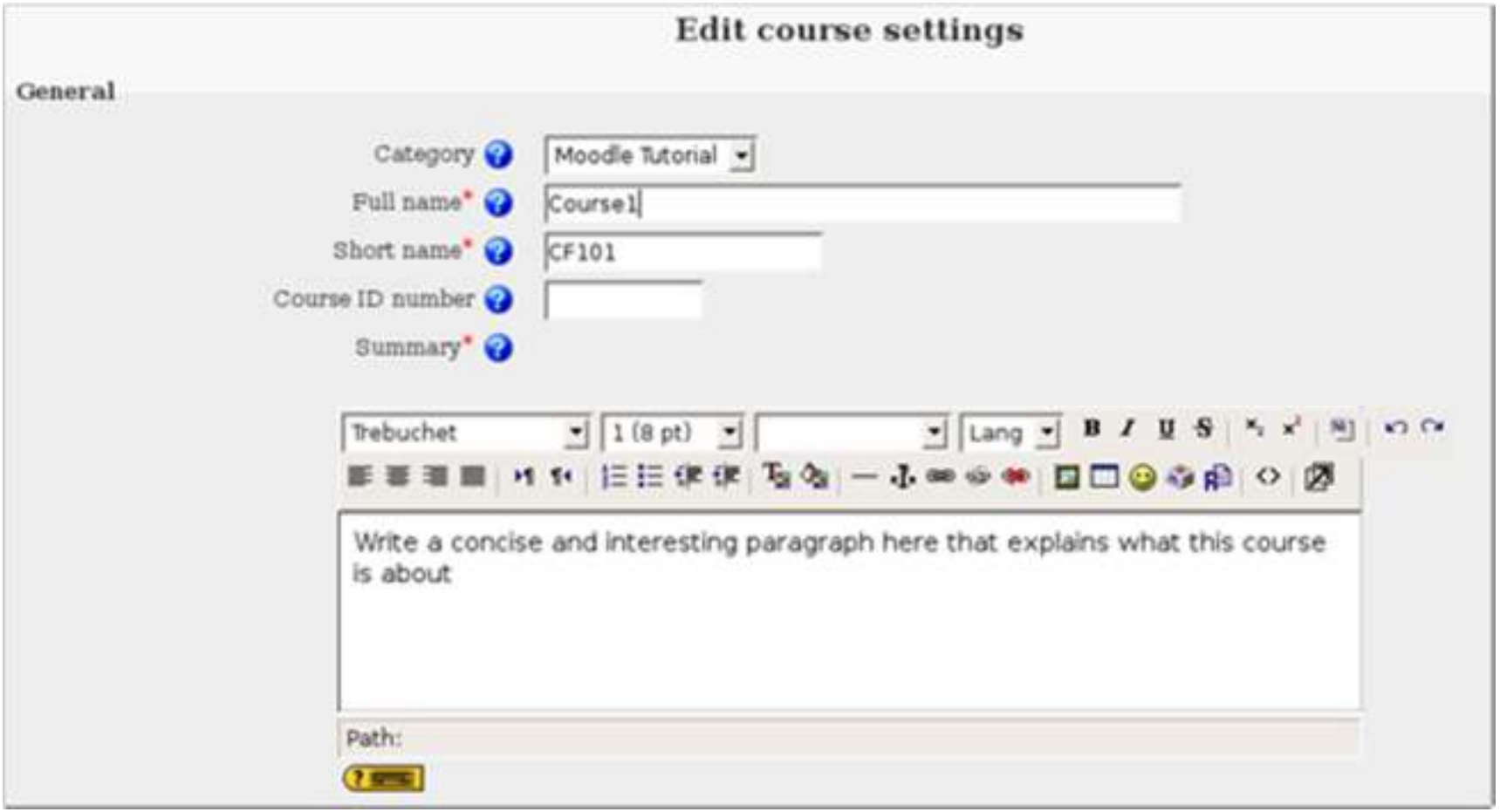
Activities in MOODLE

Activities in MOODLE

Activities in MOODLE



Activities in MOODLE



Completed Sample Design

Thank you
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