

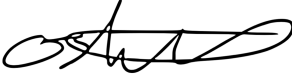



Request for Information CBX-20200001

Response Due Date: 23/02/2020

Document Approval

All authors of the document are required to proofread, mandate, and sign-off before the document's official publication.

Author	Signature	Date
Oliver Still		20/02/2020
Oliver Clarke		20/02/2020

Preface

This document is a request of information to solicit vendor information regarding sources and products for the display of text and graphics within a presentation format using the agreed Extensible Markup Language (XML) schema file as the source. This product is for use within an application undergoing development at CUBIXEL.

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The company, Cubixel ("we", "our", "us"), may be stylised as "CUBIXEL" and may be referred to as the COMPANY.

The service provider ("you", "their", "them"), may be referred to as the PROVIDER, or the SERVICE.



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1. Introduction

1.1 Company Overview

CUBIXEL is an eight-person software engineering consultancy and development team based in York, United Kingdom. As a team, we provide software design services to clients and large companies, focusing on full stack development and providing true customer value using agile development practices.

We are inclusive to all industries that align with our own company ideals, especially those involved in global change to provide a positive impact to fields of research, and in people's homes.

1.2 Mission Statement

At CUBIXEL, we strive to provide companies with the necessary tools to prosper in their respective fields. Our business focus is on the design, implementation, and support of research and academic based software for companies willing to push the boundaries of education and research.

With the core of our team initially meeting at university, we understand the importance of the social tools required to aid those in higher education. By contributing our knowledge and expertise to the academic field of study, we believe we can establish and succeed in new areas of research and advance society to educate more young people into STEM and social based sectors.

1.3 Product Description

TutorPoint is a desktop based, Java application intended to provide a digital lecture environment for both students and lecturers. It is open to any subject that a tutor would like to teach but with a particular focus on STEM subjects at the college and university level. It provides the tools to enable delivery of lecture content live to an audience with instant feedback from users on topics being covered. Users will be able to create an account as either a student or a lecturer and begin watching or producing content on a subject of their choice.

The aim of TutorPoint is to provide an online platform for students and specialists to share, converse and develop their respective fields. The platform is to be structured in a way as to aid education above any other purpose, incorporating a screen for XML presentations, an interactive whiteboard, and text/video chat. The goal of TutorPoint is to nurture limitless education in all fields globally, enabling new fields of studies and advancement in developing countries and niche areas of expertise.

2. Outsourcing Objectives

This RFI has been released to solicit vendor information regarding sources and products for the display of text and graphics within a presentation format using the agreed Extensible Markup Language (XML) schema file as the source. This product is for use within an application undergoing development at CUBIXEL.

2.1 Display of Text

Using the agreed XML group schema, we would like a service provider to program a handler to display predefined text with the relative text attributes and elements. Attributes include:

- Font
- Font Size
- Font Colour
- X-Position
- Y-Position
- Start and End Time

As well as these attributes, the author should be able to control the bold and italic text elements.

2.2 Display of Graphics

Using the agreed XML group schema, we would like a service provider to program a handler to display predefined graphics with the relative graphic attributes and elements. Graphics includes both the drawing of shapes and lines. Attributes include:

- Line Starting and Ending X-Position
- Line Starting and Ending Y-Position
- Line Colour
- Line Start and End Time
- Oval and Rectangle Shape Types
- Shape Width and Height
- Shape Fill Colour
- Shape Start and End Time

As well as these attributes, the author should be able to control the shading element of the fill colour if present. Parameters are as described in 'java.awt.GradientPaint' and are as follows:

- Colour 1
- Colour 1 X and Y Position
- Colour 2
- Colour 2 X and Y Position
- Linear and Cyclic Gradients

2.3 Product Objectives

The objective of these services is for a user of the product described in section 2.1 to display and control both text and graphics on any presentation slide in alliance with the defined group schema.

3. Instructions to Vendors

Vendors that are willing to provide the company with a proposal for the services described in this document are encouraged to get in contact with CUBIXEL for further robust discussion.

3.1 Point of Contact

Vendors can reach a point of contact with the company through the company's project or finance managers.

Oliver Still (Project Manager for CUBIXEL and TutorPoint)

Contact: os705@york.ac.uk

Oliver Clarke (Finance Manager for CUBIXEL and TutorPoint)

Contact: odjc500@york.ac.uk

3.2 Response Format and Submission

Information proposals must be formatted into an official company document by the vendor to address any terms or conditions of the proposal. A contract will be drafted once an agreement of service is made.

Submissions must be sent as a PDF file via the CUBIXEL project manager contact point by 00:00, 23rd February 2020.