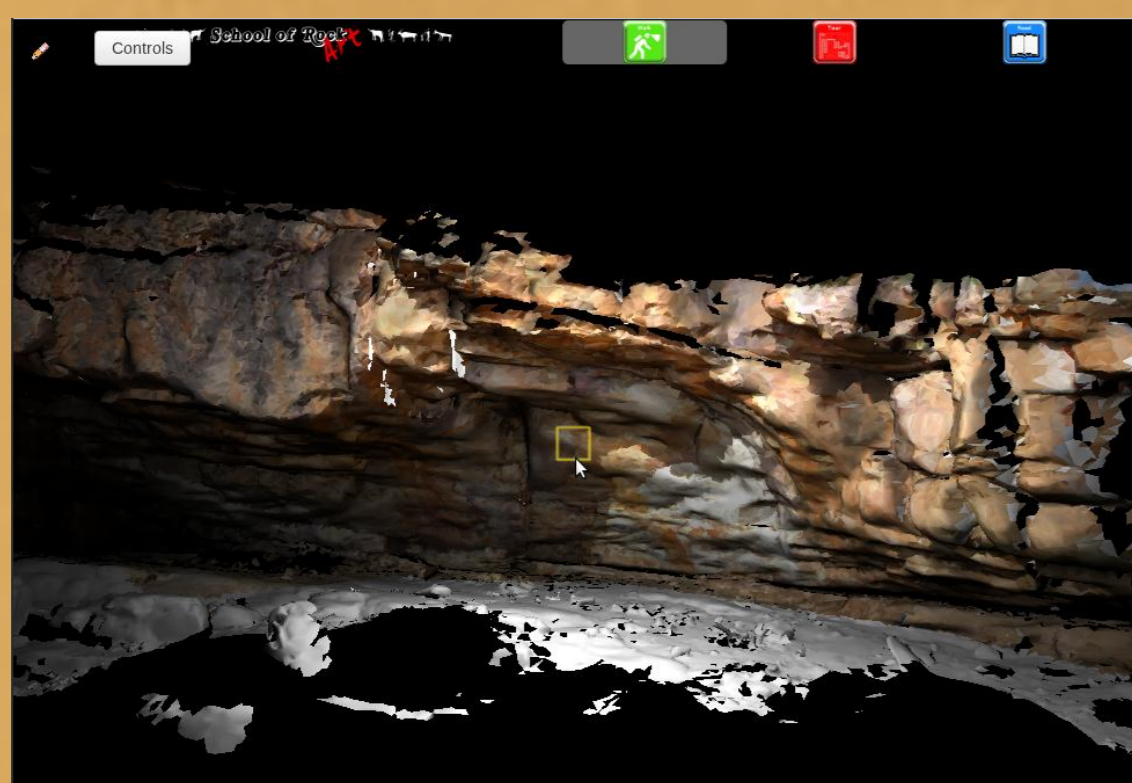


## OVERVIEW

The preservation of rock art in South Africa remains an important issue. This project aims to provide a useful website to encourage learning about rock art using images and data from the Archaeology Department at the University of Cape Town. It consists of three components: Cave Navigation, Guided Tours and Story Telling.

### CAVE NAVIGATION

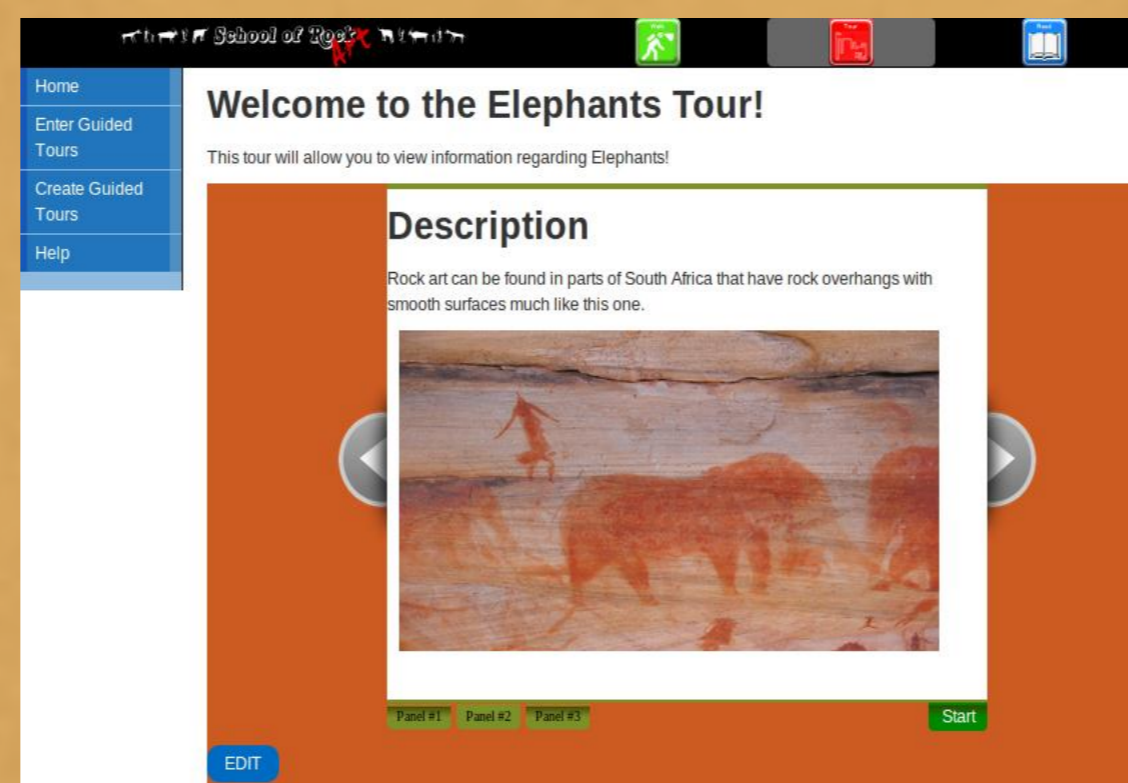
Users can navigate through a 3D cave containing rock art images in order to view and learn more about rock art. Artwork in the cave is identified through tags. When a user selects a tag an overlay displays the images associated with that artwork.



Users can add tags to the cave to indicate more art and to associate images with those tags.

### GUIDED TOURS

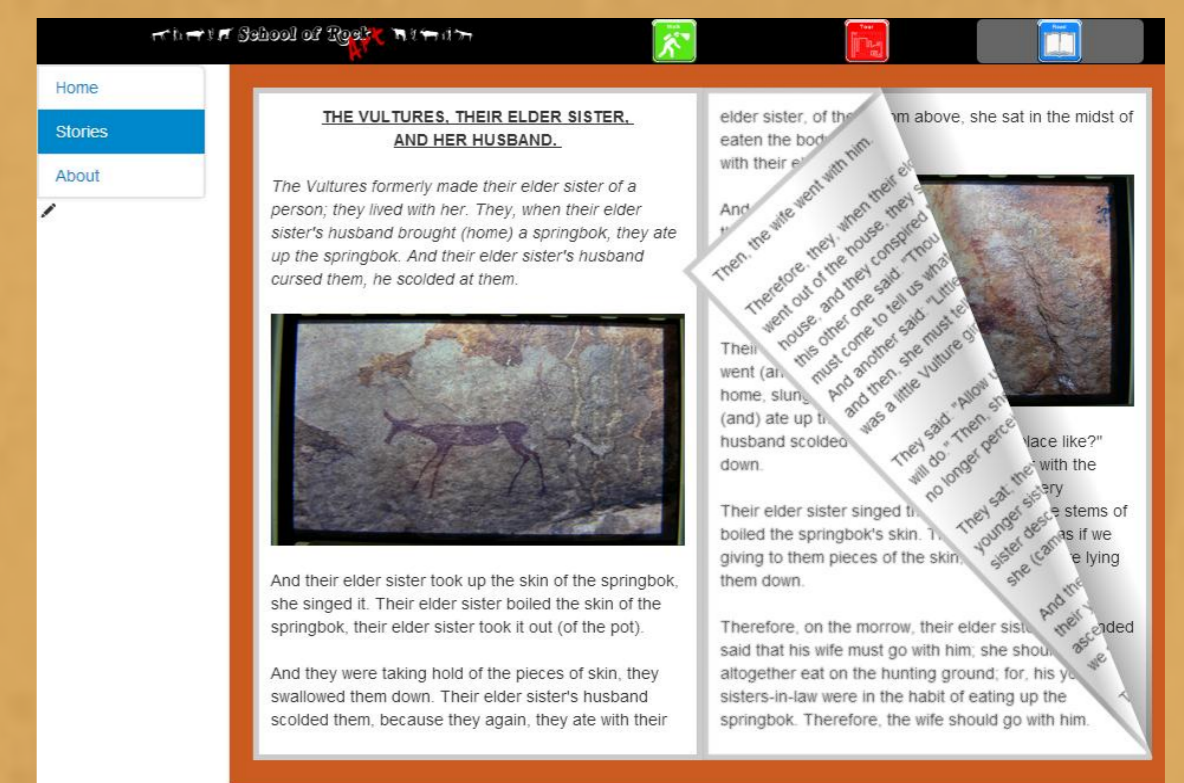
Users can view guided tours of rock art images. The images each have informative descriptions that allows users to learn more about rock art. The tour is intended to take users through a logical path of the information.



Users can also create guided tours using the available rock art images and providing descriptions for each image.

### STORY TELLING

Users can read Bushman stories in a flipbook format. Some stories contain related rock art images. These stories allow users to view the beauty of rock art and learn more about the heritage, beliefs and culture of the people who created the art.



Users can also edit stories. Design mode allows users to insert images, change colours and apply text styling options.

## RESULTS

24 experimental subjects evaluated various aspects of the application and:

- 23 felt that the Cave Navigation component was usable
- 15 felt that the Guided Tours component was easy to use
- 19 felt confident using the Story Telling component

Overall, user testing found that all components are useable, useful and encourage learning about rock art.



University of Cape Town  
<http://www.uct.ac.za/>

Project Members:  
 Kaitlyn Crawford, Marco Lawrence, Joanne Marston  
 Supervised By: Dr Hussein Suleman



Department of Computer Science  
<http://www.cs.uct.ac.za/>