



University of
South Australia

Image: University of South Australia

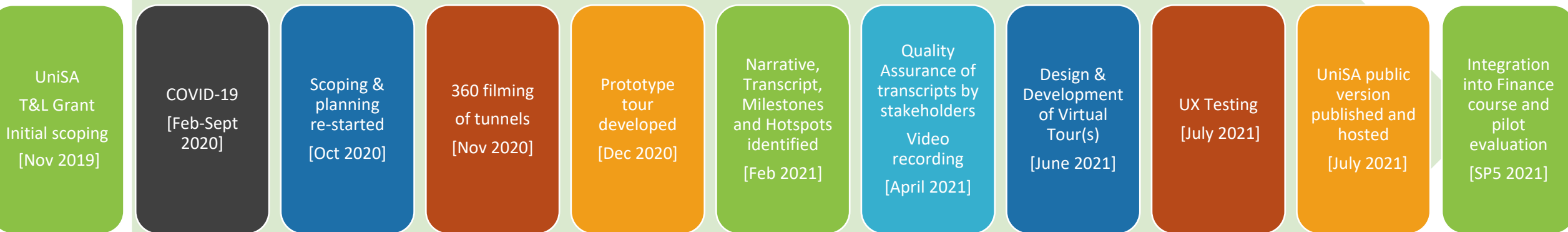
From Bricks and Mortar to Clicks and Clouds

(A virtual tour through the tunnels under the Old Adelaide Treasury Building)



‘From Bricks and Mortar to Clicks and Clouds’

An interactive virtual tour through the tunnels under the Old Treasury Building using (using digital stories activated by hotspots) to highlight the history and services of Treasury that have supported the prosperity and wellbeing of all South Australians from 1836 - 2021.



Teaching and Learning



Image: <https://craigthorne.me/360>

To demonstrate the enriched teaching and learning opportunities offered by integrating interactive 360° virtual tours into courses.

- Will it be effective in allowing students to ‘visit’ a place they might otherwise not be able to easily access?
- Could it be a replacement for a textbook case study or an eReading?
- Will it improve student engagement and understanding of concepts?

Key Stakeholders:

- UniSA Provost (T&L Grant)
- UniSA Teaching Innovation Unit
- UniSA Business
- UniSA Project LIVE
- National Trust Of Australia (SA)
- Department of Treasury & Finance
- Adina Hotel Apartments



UniSA Project Team

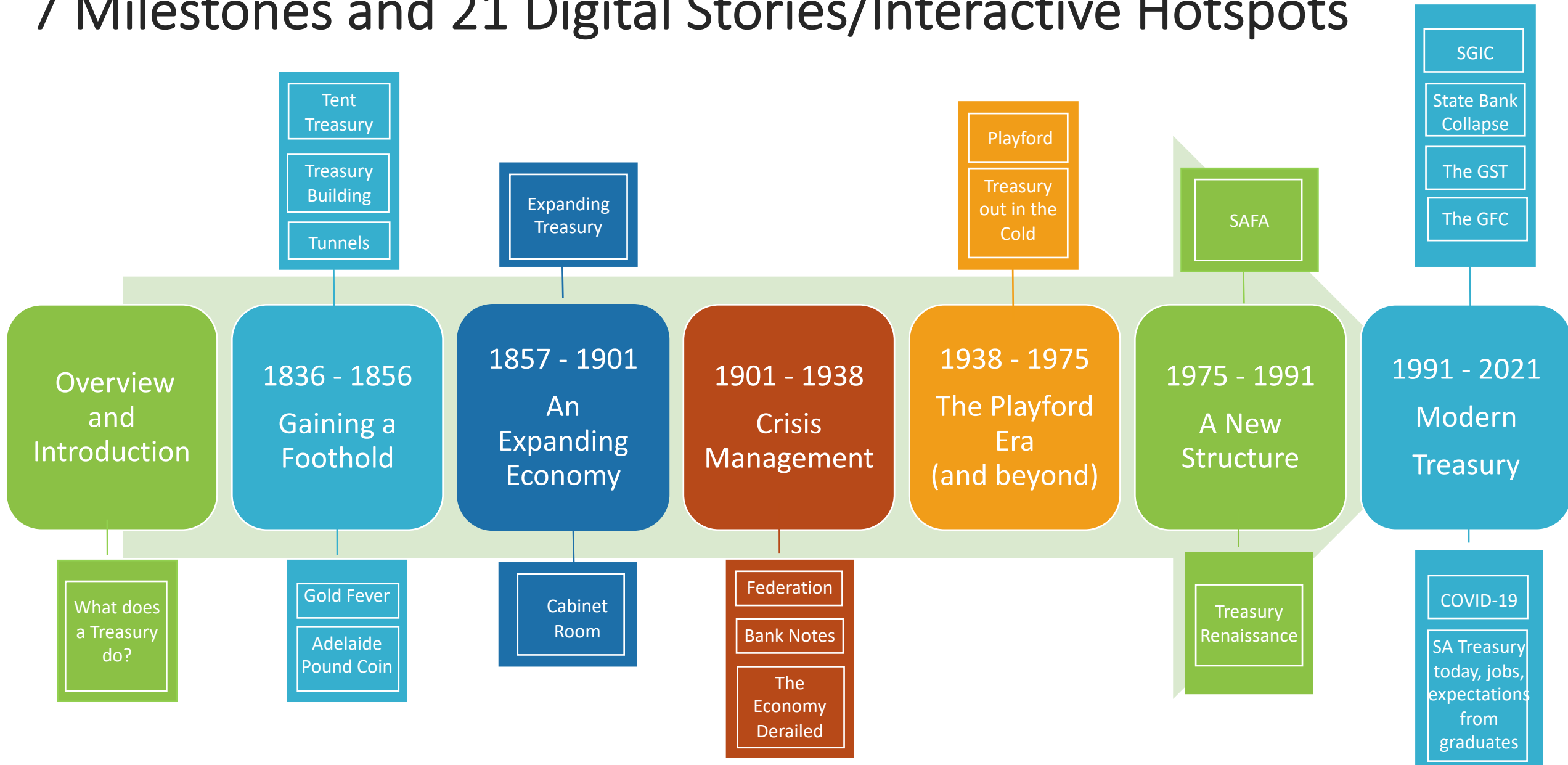
- Miss Shiao-Lan Chou (Project Leader – UniSA Business)
- Mr Roger Edmonds (Project Officer - TIU)
- A/Prof Tom Raimondo (Director - Project LIVE – UniSA STEM)
- Mr Steve Hill (Technical Officer - Project LIVE – UniSA STEM)
- Mr Ron McIver (Project Advisor – UniSA Business)
- Dr Lei Xu (Project Advisor – UniSA Business)
- Prof Martin Shanahan (Project Advisor – UniSA Business)



External Parties

- Mr Stuart Hocking (Deputy Under Treasurer – SA Department of Treasury & Finance)
- Ms Kristy Ferguson (Communication & Education Officer – Revenue SA)
- Mr Patrick Bugeja (Manager, Visitor Experience – National Trust of Australia (SA))
- Ms Katie Obst (Hotel General Manager – Adina Apartments Hotel)

7 Milestones and 21 Digital Stories/Interactive Hotspots



Student Engagement with Virtual Tour

BANK 1005 Financial Markets & Institutions

The screenshot displays the University of South Australia LMS interface. The top navigation bar includes the university logo, course title 'SP5 2021 Financial Markets and Institutions', and the user name 'Roger Edmonds'. A left-hand sidebar contains various navigation icons and labels: Dashboard, Course Outline, Content, Assessment, Grades, Extensions, Resources, Recordings, People, and Administration. The main content area shows the breadcrumb trail: Dashboard > BANK 1005 > Week 1 - The Financial System > Virtual Tour of Treasury Building Tunnels. Below this, there are 'Prev' and 'Next' buttons. The central image is a virtual tour preview of the Adelaide Treasury Building, with the text 'Adelaide Treasury' overlaid. Below the image, the title 'The Adelaide Treasury Building' is followed by a link 'Virtual Tour of Old Adelaide Treasury Building Tunnels'. A 'Task' section lists four steps for using the virtual tour, including navigating through the timeline, activating interactive hotspots, and using a document tool to record observations.

University of South Australia
SP5 2021
Financial Markets and Institutions
Roger Edmonds

Dashboard > BANK 1005 > Week 1 - The Financial System > Virtual Tour of Treasury Building Tunnels

Turn editing on

Virtual Tour of Treasury Building Tunnels

Prev Next

Adelaide Treasury

The Adelaide Treasury Building

[Virtual Tour of Old Adelaide Treasury Building Tunnels](#)

Task

1. Open the virtual tour of the tunnels under the old Adelaide Treasury Building (now the Adina Hotel Apartments) from the link above.
2. Navigate your way through the timeline of connecting tunnels and activate the interactive hotspots in the form of text, images, video, audio, external links and questions that you find along the way to show how and why Treasury formerly operated as a bricks and mortar physical location through to how and why Treasury operates like it does today.
3. Use your mouse to zoom in/out and to move through the tunnels. If you are using your mobile device stretch/pinch the images to zoom in/out.
4. Use the [virtual tour document tool](#) below to record any important facts and observations you make at each hotspot. You will be able to export your notes to a word document and use them when you complete Assessment 1A.



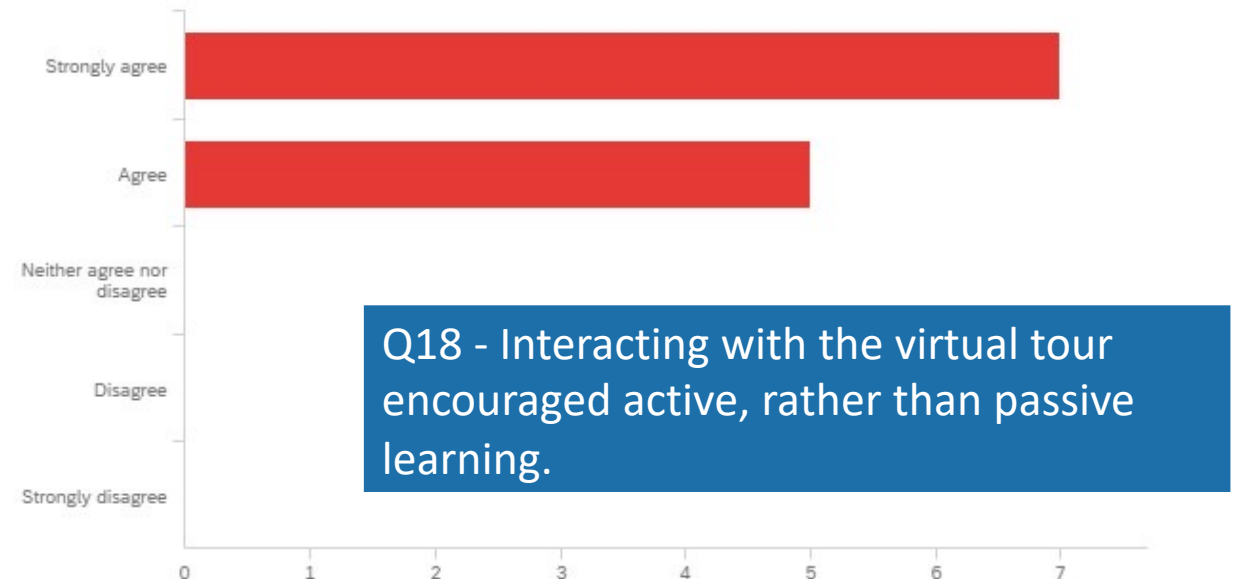
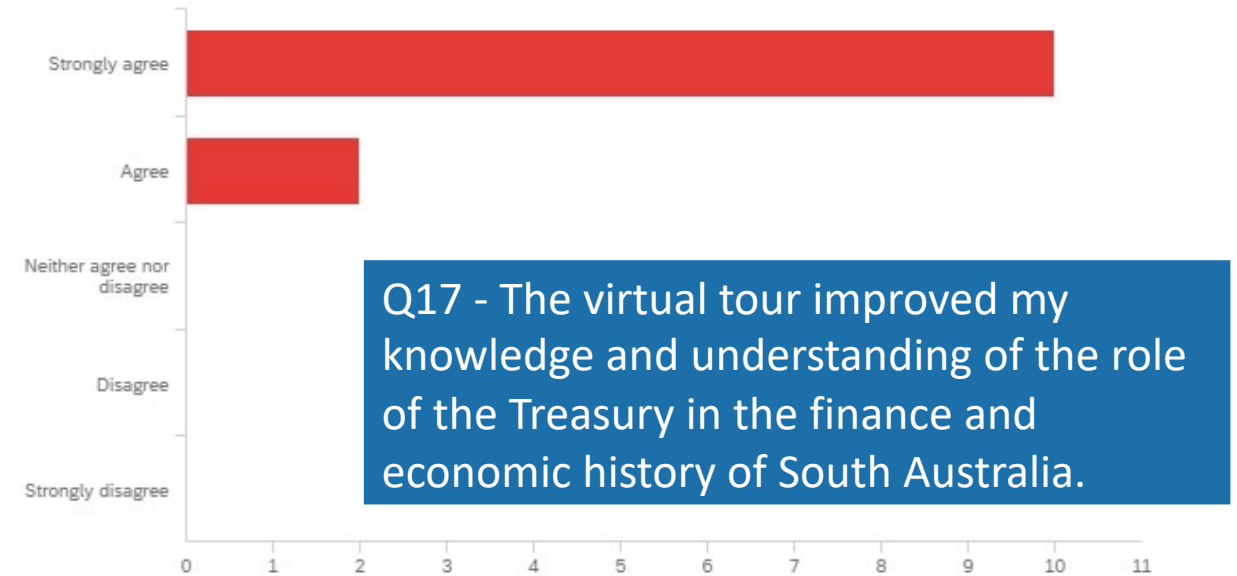
- Computer (at home or library)
- Mobile phone or tablets
- Head mounted displays (VR)

Evaluation (qualitative)

Cohort: Students from BANK 1005
Financial Markets & Institutions (n=19)

Tools:

- Online survey (Sept – Nov 2021)
- Focus groups (late Nov 2021)

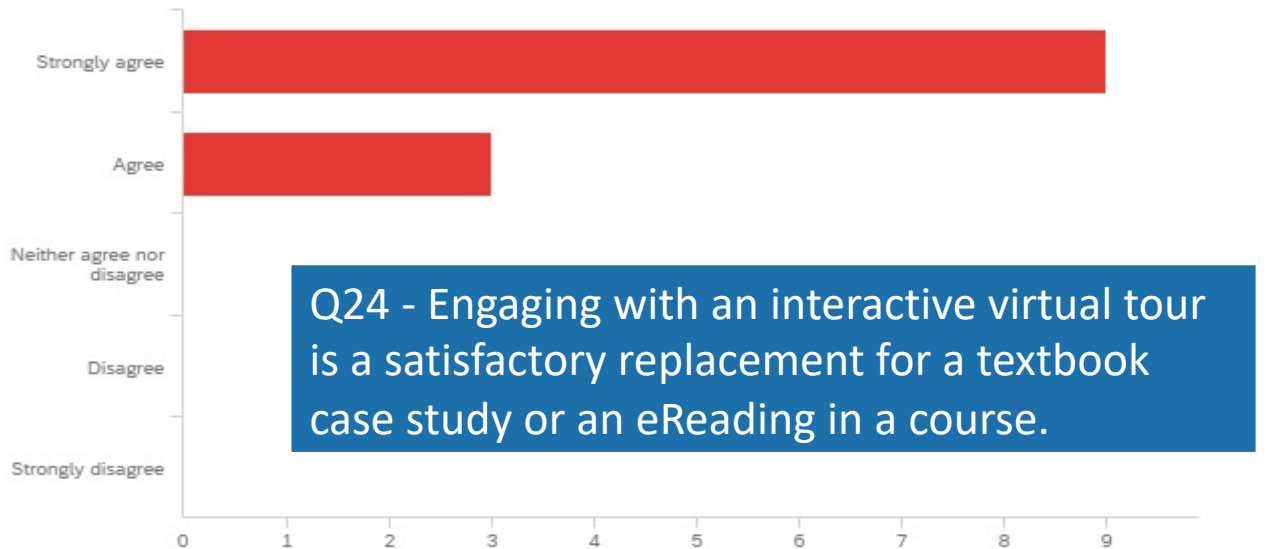
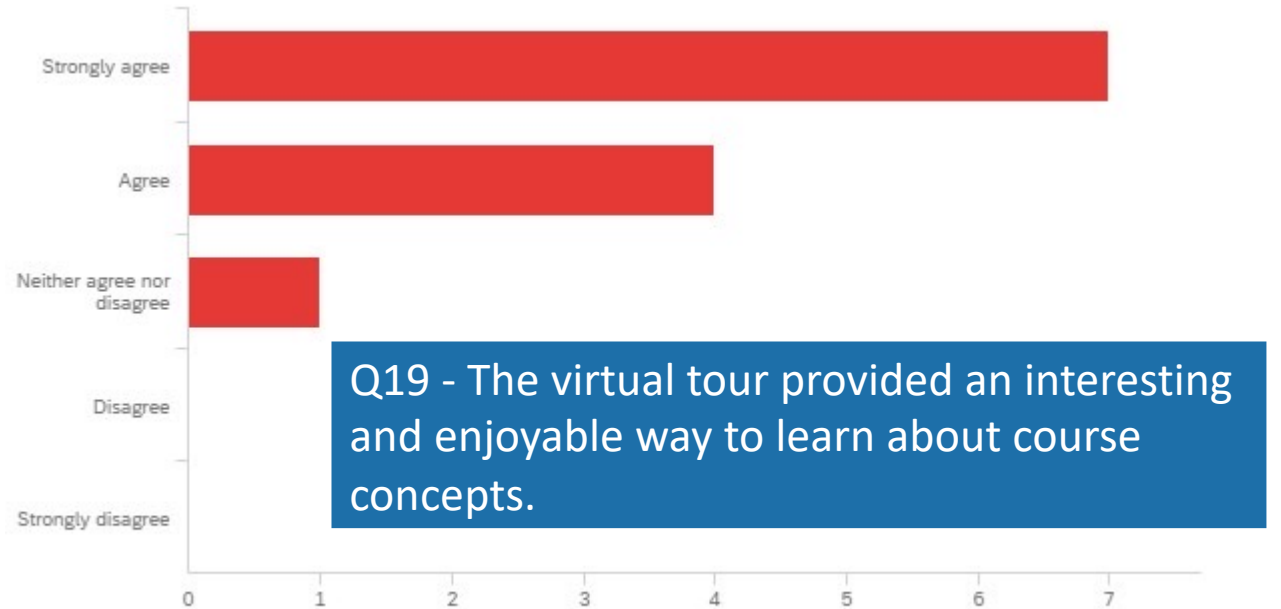


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Conclusions

(from pilot study)

- There is qualitative evidence of improved engagement and understanding of concepts as a result of students engaging with the virtual tour.
- Students enjoyed '*visiting*' a location they would not normally access
- Students preferred learning through a virtual tour than reading an equivalent case study in a textbook
- Students enjoyed the active learning pedagogy associated with the virtual tour
- The project has been an exemplar as a model for collaboration between the University of South Australia and external stakeholders

Recommendations (from stakeholders and students)

- Integrate and evaluate VT in other UniSA courses (e.g. Economics, Australian History)
- Create a postcard (with QR Code) version for Adina Hotel guests
- Promote use in high schools (learning + promotion of UniSA)
- Use in induction for Department of SA Treasury & Finance staff
- Create additional H5P interactives and embed into VT
- Promote the VR experience of the VT
- Use VT to inform the development of a wider '*learning in a virtual environment*' framework for UniSA staff

