Australian National University

INDEPENDENT STUDY CONTRACT HONOURS

Note: Enrolment is subject to approval by the projects co-ordinator

SECTION A (Students and Supervisors)

UniID: U6014726

SURNAME: WANG FIRST NAMES: QIAN

PROJECT SUPERVISOR (*may be external*): BEN SWIFT, Terhi Nurmikko-Fuller

COURSE SUPERVISOR (*a RSCS academic*): BEN SWIFT

COURSE CODE, TITLE AND UNIT: COMP4550 Advanced Computing Research Project

SEMESTER ☐ S1 ☐ S2 YEAR: 2017-2018

PROJECT TITLE: Analysis and Visualization of Narrative in Western vs Eastern Folk Tales Using Linked Data

LEARNING OBJECTIVES:

- assemble a corpus of chinese mythological literature, marking up the corpus in relation to similar Western corpora
- search for similarities in narrative structure in this corpus
- develop & implement an interactive visualisation tool

PROJECT DESCRIPTION:

Existing work in digital humanities has focused on Western folk tales, for example the fairy tales of The Brothers Grimm[1], but similar research with a focus on Eastern fork tales are rare. This project aims to bridge this gap by using Linked Data technologies (such as RDF and ontologies) to analyze the narrative features of Eastern folk tales.

The research will focus on ancient Chinese folk tales, for example "The Classic of Mountains and Rivers" an ancient Chinese mythological novel which has a similar status in eastern Asia as Greek mythology does in Western countries. I will examine whether techniques from linked data can shed light on the potential similarities between narrative and mythological texts from cultures separated by time and space (that is to say, whether people in different regions share similar folk tales).

To do this, I will assemble a corpus for analysis by bringing together relevant texts from existing corpora, mark up the corpus, and then use Linked Data to analyze the connections between some of the typical characters and specific stories. I will carry out a comparative analysis between Greek mythology and The Classic of Mountains and Rivers. Finally, I will develop an interactive visualization tool for exploring these relationships.

[1] Franzini et. al., Digital Breadcrumbs of Brothers Grimm

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ASSESSMENT (as per course's project rules web page, with the differences noted below):

Assessed project components:	% of mark	Due date	Evaluated by:
Thesis	_____ (85%)		
Presentation	_____ (10%)		
Critical Feedback	_____ (5%)		

MEETING DATES (IF KNOWN):

STUDENT DECLARATION:
I agree to fulfil the above defined contract

…….. ……..
Signature Date

SECTION B (Supervisor):

I am willing to supervise and support this project. I have checked the student's academic record and believe this student can complete the project. I nominate the following reviewers and have obtained their consent to review the completed thesis (through signature or attached email)

…….. ……..
Signature Date

Reviewer 1:
Name: …….. Signature…….

Reviewer 2:
Name: …….. Signature…….

*Nominated reviewers may be subject to change on request by the supervisor.

REQUIRED DEPARTMENT RESOURCES:

SECTION C (Course coordinator approval)

…….. ……..
Signature Date

SECTION D (Projects coordinator approval)

…….. ……..
Signature Date