XXXXXXXXXX = From Project Approval checklist

# Project Name

GIATA Integration Project

# Background

* proposal includes 1 paragraph project scope statement
* proposal explains how the project outcome is of use to the industry

Tourplan’s clients have traditionally had to manually load hotel (property) content into their personal Tourplan system, including text and image based content. This content is output on itinerary documentation sent to their agents/clients, and is also used on online booking sites such as webConnect/hostConnect. These are Tourplan software components which their clients can optionally deploy. They allow Tourplan clients (the tour operators) to sell their products to their agents online

Property content sourcing and data entry is a large and cumbersome task for Tourplan’s clients. They would like to be able to automatically download the property descriptions and images into their Tourplan system from external sources.

This is where GIATA comes in. GIATA collates and provides hotel content (descriptions, images, addresses, amenities, geocodes etc) for 620,000 hotels/resorts worldwide. (www.giata.com)

Tourplan have been approached by a number of clients over last 2-3 years, most recently by APTC and ExoTravel, regarding integrating with GIATA to use their hotel content.

# Goal

* proposal states clear project goal(s)

To create the automation of getting hotel property descriptions into the Tourplan system from GIATA.

# Expected Outcomes

* proposal states clear project outcome(s)

User guide with two sections

* + How to install and set the application up
  + How to run the application

User guides would need to be created for each of the 2 main components (IE the initial app to match the GIATA hotels with Tourplan hotels, and the main app to actually grab the content from GIATA and update into Tourplan) with 2-4 pages maximum.

Report

Full report on the project proceedings within the industry to the specs requested by ARA. It will include:

* + Halfway report
  + Areas of self-learning
  + Conclusion from essay on methodologies
  + Comparison between initial and actual project outcomes
  + Summary of project management, quality assurance and risk management systems
  + Final reflection on the entire course

Quality assurance

ARA Quality Assurance programme for Tourplan that will include:

1. “Type” of quality
2. Mechanism for measuring quality
3. Progress measurement path
4. Measure of the quality
5. Tracking of quality measurements over time
6. Correlation between quality measurements over time

Risk Management

ARA Risk Management plan for Tourplan that will include

1. Large risk list
2. Significant top risks
3. Weekly reflection and review
4. Solutions to problems are identified and documented then applied

# Project Personal

* proposal identifies all the key people involved in the project

Course Supervisor

Name: Dr David Weir

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Tel:

Academic Supervisor

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Project Owner

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# Quality Assurance

* proposal shows that student needs to use advanced generic skills and specialist knowledge and skills in a professional context or field of study
* proposal identifies student skills that makes the project feasible

Quality goals of Tourplan that make this project finished project is up to standard:

* Finished on time
* Tested to the level that Tourplan expects. Testing in Tourplan is done internally at two levels (developer and project stakeholder), after which there is always user acceptance testing done on a beta client
* Working product with all desirable functional requirements

What skills and resources do I bring to Tourplan in order to make sure that the entire process of this project is up to a reasonable standard

* Understanding of processes involved through my experience with Project management
* An understanding of technical knowledge through knowing several coding languages and the ability to learn more
* I do thorough testing to ensure quality and reliability of all my programs
* I have a good support group through my Industry supervisor and my Academic supervisor

# Risk Management

* proposal identifies relevant project risks
* project risks are manageable
* proposal identifies any need for relevant ethics clearances
* process is in place to acquire necessary ethical clearances

· Business Risk - the exposure the organisation faces upon project failure

1. Wasted time and resources
2. Clients will not get new feature they were promised on time

· Project Risk - the factors which could cause a project to fail;

1. Run out of time
2. Poor time management
3. Bigger than I thought
4. Technical difficulties
5. Sickness

· Production System Risk - the risks the organisation faces in continuing support of the system, product and business processes delivered by the project;

1. Badly written code that is hard to maintain
2. Does not do exactly as required

· Benefits Realisation Risk - the factors which could lead to a lack of benefits realisation;

1. asdad

· Personal Risk - the impact on your personal career and life if the project fails (or succeeds).

Size

With the project being split into 3 phases it is easier to break down and understand what needs to be done at every point. If I have completed the two phases that must be completed by the 288 hour mark then I will be able to start the third phase which means less of a risk of wasted time.

LVL7 standard

By integrating different systems in this project, I will extend my learning enough to be of a LVL 7 standard and minimise the risk of not passing.

What if problems arise

For different problems I can go to several people that may be able to help me. For more technical questions I can ask Mike Lance, Craig Gray, as well as the other programmers that I will be on site with. For the more day to day operations and specific project help I can get help from Lorna Webb. My academic supervisor is also available for any course work that I need to complete. By having multiple sources of help and information I am able to ensure the project can keep flowing and minimise the risk of it grinding to a halt.

Academic risk

By reporting to my academic supervisor each week, I am able to make sure that I am on top of my course work and am keeping to my work plan. Progress will be proven to the supervisor each week to ensure that I do not get behind and have problems in the future when things are due.

Risk to Tourplan

I am no risk to Tourplan as a company as I am a doing a one off project. I will have to ensure that I keep up to security standards set by Tourplan so that their data and privacy remain intact. By having me in the office space I do not hold up any other projects, and since I am working for free they do not have to worry about extra resources on me.

Ownership of code

All code produced by projects for Tourplan or created using Tourplan’s resources will automatically be owned by Tourplan.

Ethics

There are no ethical issues or risks associated with this project. No other people are involved with the project outside of the supervisors and Alex Trumic so there should not be any conflicts of interest.

# Industry Project Phases

* proposal shows student has to generate solutions to unfamiliar and sometimes complex problems
* proposal shows that student is selecting, adopting and applying a range of processes relevant to the field of work or study of the project

Phases 1 & 2 are to be completed by the end of the 288 hours of industry work. If completed early then phase 3 is to be completed as well.

### Phase 1:

Write a new ‘Mapping’ application which reads GIATA propertyIDs (from a downloaded CSV or XML structured file), matches the GIATA property to the Tourplan property (tourism product supplier), and records the GIATA property ID against the supplier The above application will only be run by user controlled initiation.

### Phase 2:

Write a new ‘Content’ application that extracts the primary GIATA property description via the GIATA API http://www.ghgml.giatamedia.com/webservice/specs/ and uploads it into each client’s Tourplan system via the Tourplan productConnect API http://wiki.tourplan.com/display/HOS/product-connect-3-10-000 The above application will must be able to be run on a scheduled (eg nightly) basis and also ondemand (via user controlled initiation)

### Phase 3:

Extend the ‘Content’ application to also upload other property information from the GIATA response including amenities, links to images and additional descriptive content

## Phase Functional Requirements

### Phase 1: Mapping Tool

GIATA properties each have a unique propertyID. These propertyIDs will need recorded in the clients Tourplan system against the associated supplier (property), so that we can then use the GIATA API to download the content for those properties.

A mapping tool is required to:

a) Read a list (CSV or XML) from GIATA consisting of property name, address and ID

b) Read a list Tourplan suppliers (extracted via productConnect)

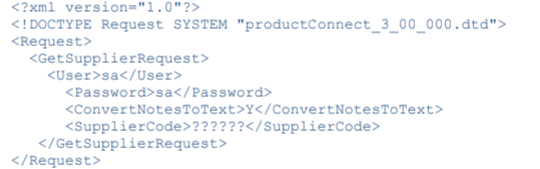
c) Match the GIATA property to the Tourplan supplier by closest match of property name and city)

d) Where a ‘match’ meets the minimum criteria record the GIATA propertyID against the Tourplan supplier (in a supplier note) using the Tourplan productConnect API.

### Phase 2: GIATA Interface – Descriptions Only

A ‘GIATA Interface’ is required that can:

- Read the list of GIATA propertyIDs from Tourplan using the Tourplan productConnect XML API. This will need to extract suppliers using the GetSupplier request



- Send the appropriate API request to GIATA for each GIATA propertyIDs

- Receive and parse the response from GIATA into the required productConnect format for updating Tourplan. At this stage we are only interested in uploading the primary property description from GIATA

- Send the request to productConnect to update the property description into Tourplan

### Phase 3: GIATA Interface – Additional Content Extend the above

‘GIATA Interface’ to:

- Send to appropriate queries (using extra content request flags) to GIATA

- Receive and parse the additional content including amenities, images and extra descriptions response from GIATA into the required productConnect format for updating Tourplan.

- Send the request to productConnect to update the content into Tourplan

# Project Plan

* duration is consistent with expectations of CE301
* proposal identifies other required resources
* other required resources are obtainable

## Standard Weekly Plan

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday | Total |
| Industry Time | 8am-5pm | 8am-5pm | 8am-12pm | 8am-12pm | 8am-12pm |  |  |  |
| Industry Hours | 8 | 8 | 4 | 4 | 4 |  |  | 28 |
| Course Time | 7pm-8pm | 7pm-8pm | 1pm-5pm | 1pm-5pm | 1pm-5pm |  | 1pm-5pm |  |
| Course Hours | 1 | 1 | 4 | 4 | 4 |  | 4 | 18 |

Total Course + Industry Hours per week = 46

## Important dates and events

Based on the assumption that I will be completing 28 hours a week in the workplace I will be using up my 288 hours by the 11th week. It is recommended that halfway through the project I take a week off to complete extra course work that needs to be completed by the halfway point.

Weeks 1-5 (6/8/2018-7/9/2018)

Industry hours completed: 140

Week 6 (10/9/2018-14/9/2018)

Complete midcourse work

Week 7-12 (17/9/2018-26/10/2018)

Industry hours completed: 308

Other course assignment dates:

BCIS290 Ass1 : 24 September

BCIS290 Ass2 : 26 November

## Phase breakdown

I have only broken down the first two phases as they are the goal for the 288 hours. If by the half way stage it looks like I will be finished in time I will revise this breakdown to include the final phase.

Phase 1: 5 Weeks

Planning: 1 week

Design: 3 weeks

Testing: 1 week

Phase 2: 4 Weeks

Planning: 2 days

Design: 2 weeks 4 days

Testing: 4 days

Final Testing + Documentation: 2 Weeks

Requirements for Phases:

* Access to programming environment
* Access to Tourplan system
* Access to GIATA data
* Desk, Computer, Chair
* Tourplan’s time logging software

Requirements for Testing + Documentation:

* Tourplan final spec requirements
* Tourplan testing environment + standards