

# **User Interfaces Specification**

**for**

**<Taxonomic Hierarchy Comparator>**

**Version 0.1.0**

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**<2013/7/20>**

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## Revision History

Name	Date	Reason For Changes	Version

# 1. Introduction

## 1.1 Purpose

*This document is to describe the user interfaces required by THC to show what THC will look like and how it will work. This is only a draft just considering the function and flow of the tool except the style and outlook. More detail about user interfaces will be described in manual book after the tool is finished. This document is for tool developers and testers.*

## 1.2 Document Conventions

*No special conventions*

## 1.3 Intended Audience and Reading Suggestions

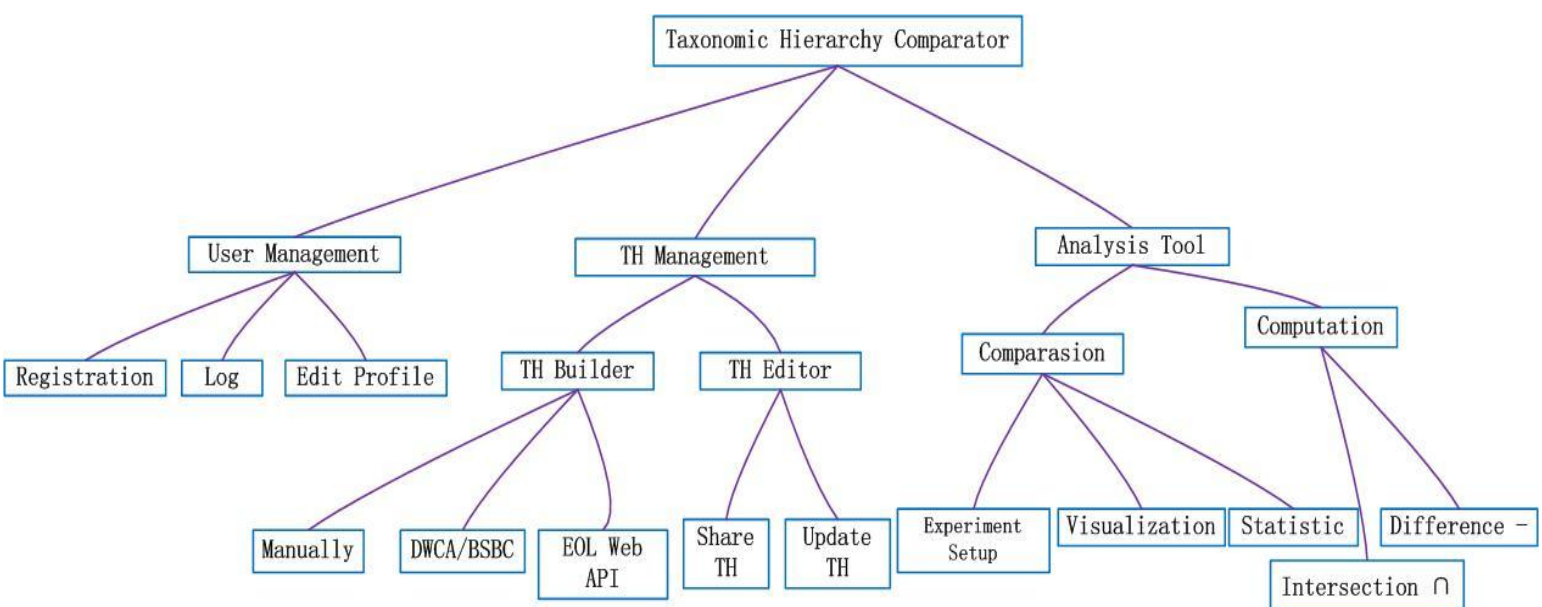
Developers & testers

## 1.4 Project Scope

*Refer to the similar section in “Software Requirements Specification for THC”.*

# 2. User Interfaces

## 2.1 Architecture



## 2.2 Home Page

**Taxonomic Hierarchy Comparator 0.1.0**——Biodiversity Information Group IOZ. [Chinese](#)


Login&Registe	User Info	Tree Builder	Set&Compare	Visualization	Statistics	Result List	About Us
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*User:	<input type="text"/>
*Password:	<input type="password"/>
	<input type="button" value="Login"/> <input type="button" value="Logout"/> <a href="#">Registration</a>

## 2.3 Registration Page

**Registration Page**

*Username	<input type="text"/>
e-Mail	<input type="text"/>
*Password	<input type="password"/>
*Confirm Password	<input type="password"/>
Verified code	<input type="text"/> 
Self description	<input type="text"/>
	<input type="button" value="OK"/>

## 2.4 Profile Editor

<input type="button" value="Edit"/>	<input type="text" value="linctfortest"/>
Name(CN):	<input type="text"/>
Name(EN):	<input type="text"/>
Affiliation(CN):	<input type="text"/>
Affiliation(EN):	<input type="text"/>
Add(CN):	<input type="text"/>
Add(EN):	<input type="text"/>
PostCode:	<input type="text"/>
E-mail:	<input type="text"/>
Website(CN):	<input type="text"/>
Website(EN):	<input type="text"/>
<input type="button" value="Update"/>	

## 2.5 Tree Builder

### 1. Build tree by copying template tree

<input type="button" value="Edit"/>	<input type="text" value="徐奎栋SP2000"/>	<input type="button" value="Manage Tree"/>
*TreeName	<input type="text" value="Aves of China"/>	
*RootName(Latin)	<input type="text" value="Aves"/>	
RootName(CN)	<input type="text" value="鸟纲"/>	
*RootRank	<input type="text" value="class:纲"/>	
*TreeSource	<input type="text" value="From template"/>	
Upload-xml	<input type="button" value="浏览..."/> <input type="button" value="Upload"/>	
Status	<input checked="" type="checkbox"/> Public	
Remark	<input type="text"/>	
<input type="button" value="Add"/> <input type="button" value="Update"/> <input type="button" value="Delete"/>		

Template Tree

Load

Colcn-Aves

Confirm

动物界:Animalia

脊索动物门:Chordata

鸟纲:Aves

雁形目:Anseriformes

雨燕目:Apodiformes

夜鹰目:Caprimulgiformes

鸮形目:Charadriiformes

鸊形目:Ciconiiformes

鸽形目:Columbiformes

佛法僧目:Coraciiformes

鸛形目:Cuculiformes

隼形目:Falconiformes

鸡形目:Galliformes

潜鸟目:Gaviiformes

鹤形目:Gruiformes

鸬形目:Lariformes

雀形目:Passeriformes

鸕形目:Pelecaniformes

裂形目:Piciformes

蹼形目:Podicipediformes

鲛形目:Procellariiformes

鸕形目:Psittaciformes

鸕形目:Strigiformes

咬鹃目:Trogoniformes

## 2. Build tree from DWCA or BSBC file

Edit	徐奎栋SP2000	▼	Manage Tree
*TreeName	Aves of China		
*RootName(Latin)	Aves		
RootName(CN)	Animalia		
*RootRank	class:纲		
*TreeSource	From DWCA		
Upload-xml	p\eol\eol_china_archive.tar.gz 浏览... Upload		
Status	<input checked="" type="checkbox"/> Public		
Remark			
Add Update Delete			



Template Tree

## 2.6 Experiment

### 1. Create experiment

Experiment

Experiment:

▼

Delete Clear Result

\*Name:

Aves in ColChina vs in Zheng's

Remark:

Compare classification of  
aves in Col-China with  
Zheng's

New

### 2. Select trees to be compared

a: Colcn-Aves ▾ Load Tree	b: 郑光美-Aves ▾ Load Tree
<ul style="list-style-type: none"><li>[-] 动物界:Animalia<ul style="list-style-type: none"><li>[-] 脊索动物门:Chordata<ul style="list-style-type: none"><li>[-] 鸟纲:Aves<ul style="list-style-type: none"><li>[-] 雁形目:Anseriformes</li><li>[-] 雨燕目:Apodiformes</li><li>[-] 夜鹰目:Caprimulgiformes</li><li>[-] 鸽形目:Charadriiformes</li><li>[-] 鸛形目:Ciconiiformes</li><li>[-] 鸽形目:Columbiformes</li><li>[-] 佛法僧目:Coraciiformes</li><li>[-] 鹈形目:Cuculiformes</li><li>[-] 隼形目:Falconiformes</li><li>[-] 鸡形目:Galliformes</li><li>[-] 潜鸟目:Gaviiformes</li><li>[-] 鹤形目:Gruiformes</li><li>[-] 鸥形目:Lariformes</li><li>[-] 雀形目:Passeriformes</li><li>[-] 鹈形目:Pelecaniformes</li><li>[-] 鸢形目:Piciformes</li><li>[-] 鸕鷀目:Podicipediformes</li><li>[-] 鹱形目:Procellariiformes</li><li>[-] 鹦形目:Psittaciformes</li><li>[-] 鸱形目:Strigiformes</li><li>[-] 咬鹃目:Trogoniformes</li></ul></li></ul></li></ul></li></ul>	<ul style="list-style-type: none"><li>[-] 动物界:Animalia<ul style="list-style-type: none"><li>[-] 脊索动物门:Chordata<ul style="list-style-type: none"><li>[-] 鸟纲:Aves<ul style="list-style-type: none"><li>[-] 雁形目:Anseriformes</li><li>[-] 雨燕目:Apodiformes</li><li>[-] 犀鸟目:Bucerotiformes</li><li>[-] 夜鹰目:Caprimulgiformes</li><li>[-] 鸽形目:Charadriiformes</li><li>[-] 鸛形目:Ciconiiformes</li><li>[-] 鸽形目:Columbiformes</li><li>[-] 佛法僧目:Coraciiformes</li><li>[-] 鹈形目:Cuculiformes</li><li>[-] 隼形目:Falconiformes</li><li>[-] 鸡形目:Galliformes</li><li>[-] 潜鸟目:Gaviiformes</li><li>[-] 鹤形目:Gruiformes</li><li>[-] 雀形目:Passeriformes</li><li>[-] 鹈形目:Pelecaniformes</li><li>[-] 红鸛目:Phoenicopteriformes</li><li>[-] 鸢形目:Piciformes</li><li>[-] 鸕鷀目:Podicipediformes</li><li>[-] 鹱形目:Procellariiformes</li><li>[-] 鹦形目:Psittaciformes</li><li>[-] 沙鸡目:Pterocliiformes</li><li>[-] 鸱形目:Strigiformes</li><li>[-] 咬鹃目:Trogoniformes</li><li>[-] 戴胜目:Upupiformes</li></ul></li></ul></li></ul></li></ul>

## 2.7 One candidate visualization solution



## 2.8 Computation on the Trees (Intersection & Difference)

