

Honours Year Project

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Problem

- SASL dictionary
- Vast amounts of video data
- Extracting necessary information
- Automation

Project Outline

- Receive a set of video files
- Generate vector data from hand movements
- Save a set of files by corresponding movements

Solution

- Develop two applications
 - Video split application
 - Hand motion detection application

Video Split Application

- Edge detection
- User input
- Progress

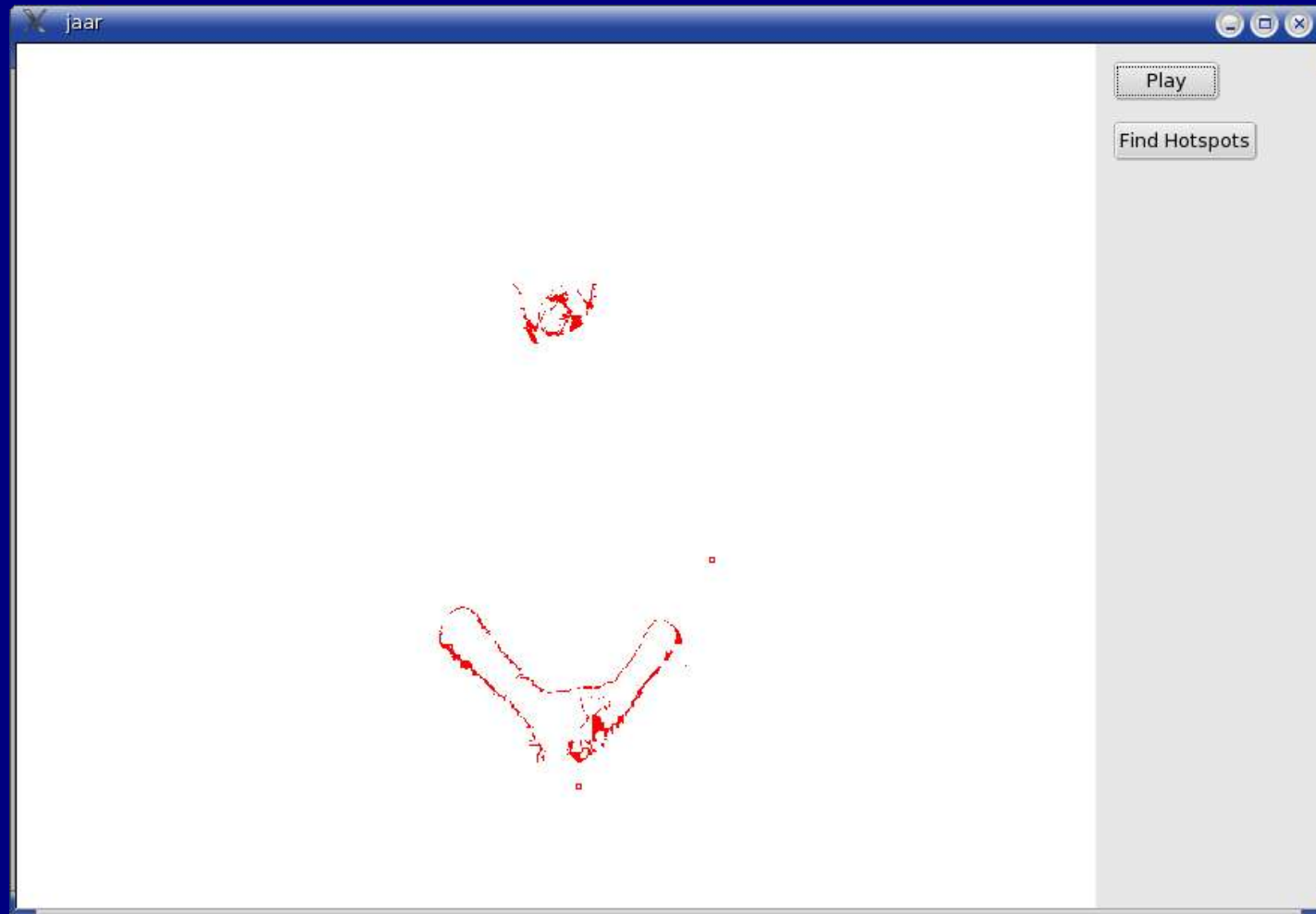
Hand Motion Application

- Detecting human body
- Mean and standard deviation
- Detecting different body parts
- Frame tracking

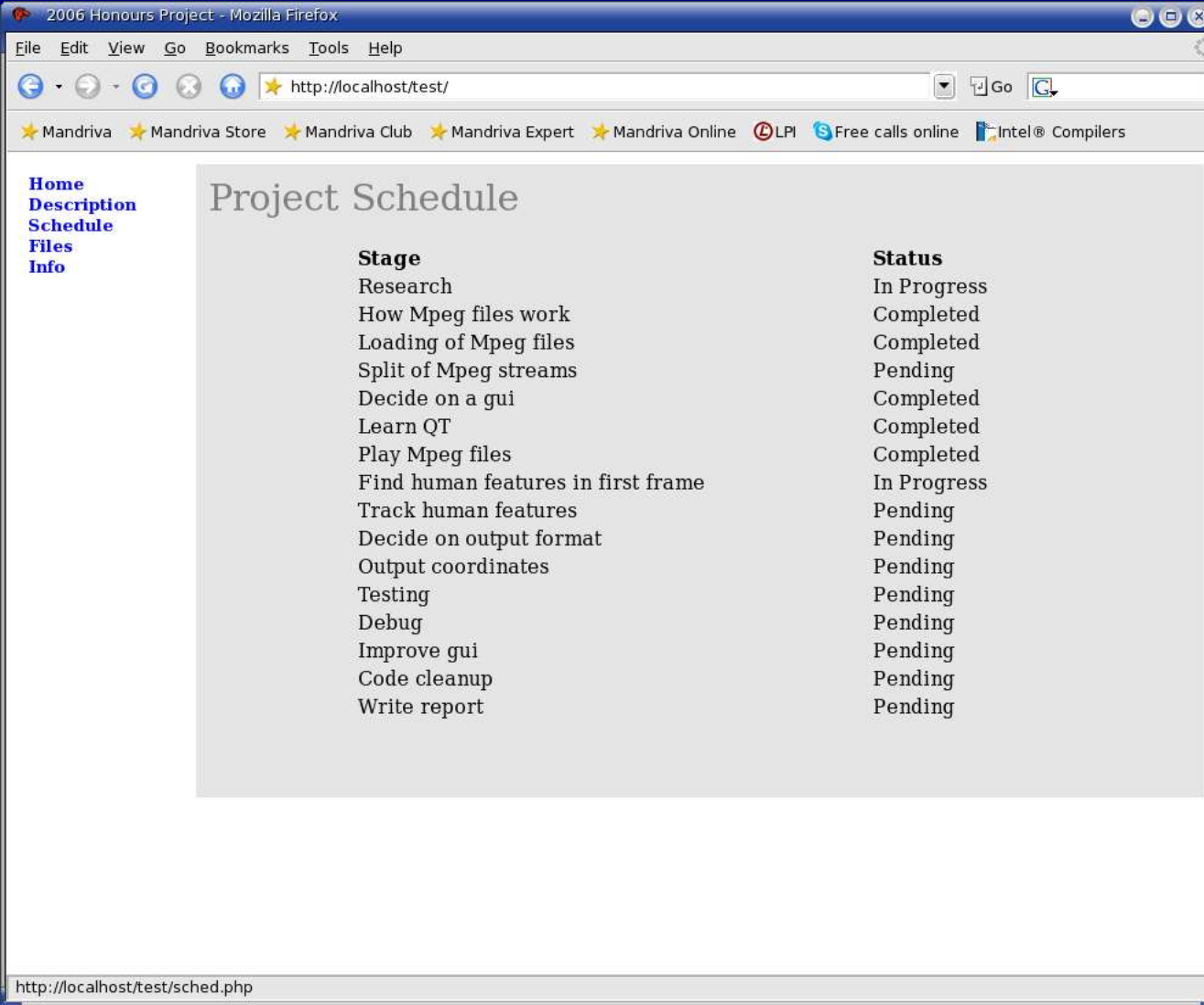
Hand Motion Application



Hand Motion Application



Schedule



2006 Honours Project - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://localhost/test/

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Project Schedule

Stage	Status
Research	In Progress
How Mpeg files work	Completed
Loading of Mpeg files	Completed
Split of Mpeg streams	Pending
Decide on a gui	Completed
Learn QT	Completed
Play Mpeg files	Completed
Find human features in first frame	In Progress
Track human features	Pending
Decide on output format	Pending
Output coordinates	Pending
Testing	Pending
Debug	Pending
Improve gui	Pending
Code cleanup	Pending
Write report	Pending

http://localhost/test/sched.php

Comments

- QT
- Mpeg 2
- Splitting
- Performance