T1-tsa-ra.docx

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Comments for your marker:

Write the **relational algebra operations** for each of Task 1 queries below (your answer must show an *understanding of query efficiency*).

List of symbols for copying/pasting as you enter your answers below: project:  $\pi$ , select:  $\sigma$ , join:  $\bowtie$ , intersect:  $\cap$ , union:  $\cup$ , minus: -

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1(a)

R = Πtown_id, town_name, town_state (TOWN - πtown_id, town_name, town_state (POI))

The number of attributes should be the same when you use the minus 1(b)

R = πpoi_id, poi_name, poi_address, poi_description (σpoi_type = 'Nature and Wildlife' and poi_review_rating > 3 (POI))

missing join
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1(c)

R = πmember\_id, member\_given\_name, poi\_id, poi\_name, review\_date\_time, review\_rating, review\_comment (σtown\_lat = -17.9644 and town\_long = 122.2304 (TOWN Μ (REVIEW Μ POI))))

missing projects