Snippet 1

```
SELECT
  id_user,
  recip_account,
  MIN(date_request_submitted) OVER (PARTITION BY recip_account, id_user)
FROM recipient rec
LEFT JOIN request req ON req.recipient_id = rec.id
WHERE rec.receiver_type = 'BUSINESS'
AND req.flag_cancelled <> 1
ORDER BY 3 DESC;
```

Snippet 2

```
SELECT
  id_user,
  recip_account,
  MIN(date_request_submitted)
FROM recipient rec
LEFT JOIN request req ON req.recipient_id = rec.id AND flag_cancelled <> 1
WHERE rec.receiver_type = 'BUSINESS'
GROUP BY 1,2
ORDER BY 3 DESC;
```

Expected Results:

Snippet 1: summarize on all the (id_user, recip_account, date_request_submitted) and return all the records.
Snippet 2: summarize on all the (id_user, recip_account, date_request_submitted) but only return summarized results.

Computational Complexity:

Although both queries may give the desired result, but Group by is not the optimal solution. We see that in Snippet 2, there is a JOIN statement and a sub-query. This increases the complexity of the query leading to a solution that is not efficient.

The better approach is in the Snippet 1 through the use of OVER and PARTITION BY clauses.